

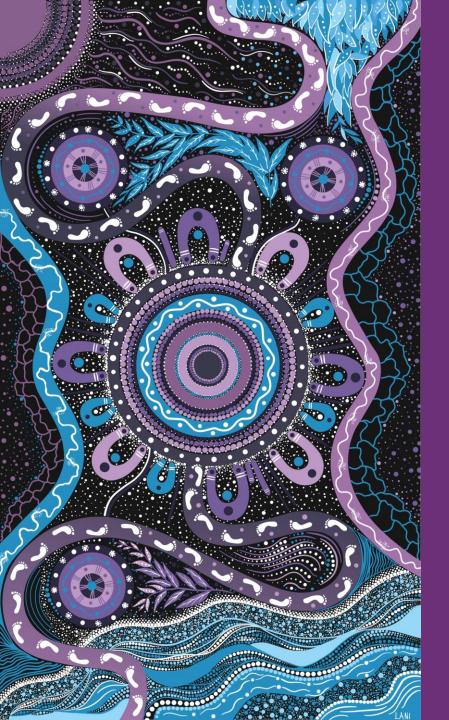
NEM Reform Implementation Forum

Meeting #29 23 January 2025





1. Welcome





We acknowledge the Traditional Custodians of the land, seas and waters across Australia. We honour the wisdom of Aboriginal and Torres Strait Islander Elders past and present and embrace future generations.

We acknowledge that, wherever we work, we do so on Aboriginal and Torres Strait Islander lands. We pay respect to the world's oldest continuing culture and First Nations peoples' deep and continuing connection to Country; and hope that our work can benefit both people and Country.

'Journey of unity: AEMO's Reconciliation Path' by Lani Balzan

AEMO Group is proud to have delivered its first Reconciliation Action Plan in May 2024. 'Journey of unity: AEMO's Reconciliation Path' was created by Wiradjuri artist Lani Balzan to visually narrate our ongoing journey towards reconciliation - a collaborative endeavour that honours First Nations cultures, fosters mutual understanding, and paves the way for a brighter, more inclusive future.





Agenda

#	Time	Topic	Presenter	#	Time	Topic	Presenter
1	1:00-1:05pm	Welcome	Greg Minney	9	2:20-2:25pm	October 2025 Release	1
2	1:05–1:10pm	Actions & Feedback from Previous Meeting	Greg Minney			 Metering Services Review (MSR) Overview of project timelines and Implementation 	Justin Stute / Dylan Volkhardt
3	1:10-1:20pm	2025 /2026 Release Summary	Greg Minney			Milestones o Confirmation of Scope (includes ICFs, etc)	
4	1:20-1:25pm	BDU Transition Completion	Alice Michener	10	N/A	December 2025 Release	For Noting
5	1:25-1:35pm	Pre-ProductionRefresh timings	Chris Fleming			 Improving Security Frameworks (ISF) for the Energy Transition 	Ü
6	1:35-1:50pm	February 2025 Release • SCADA Lite – progress update/ likely go-Live	Greg Minney	11	N/A	 Upcoming Initiatives Flexible Trading Arrangements (FTA) - 	For Noting
7	1:50-2:05pm	 June 2025 Release Frequency Performance Payments (FPP) Progress Summary (FO) NFO Production summary (include participant 	Oliver Derum / Chris Fleming			 Project Energy Connect Market Integration (PEC-MI) Shortened Settlement Cycles (SSC) Integrating Price Responsive Resources (IPRR) into the NEM 	
		feedback) o FO Market Trial Planning		12	2:25-2:30pm	Production / Transition Changes • IESS settlement Transition	Greg Minney
8	2:05-2:20pm	 July 2025 Release Enhancing Reserve Information (ERI) Progress Update Test Planning ST PASA Procedure and Recall Period 	Oliver Derum Nicole Nsair	13	2:30-2:55pm	 Stakeholder Engagement Upcoming Engagement NEM Reform End of Year Survey- Results and priorities 	Greg Minney
		o Progress update	INICOIC INSAII	14	2:55-3:00pm	General Questions & Other Business	Greg Minney

Appendix A:

Competition law meeting protocol and AEMO forum expectations

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



2. Actions & Feedback from Previous Meeting





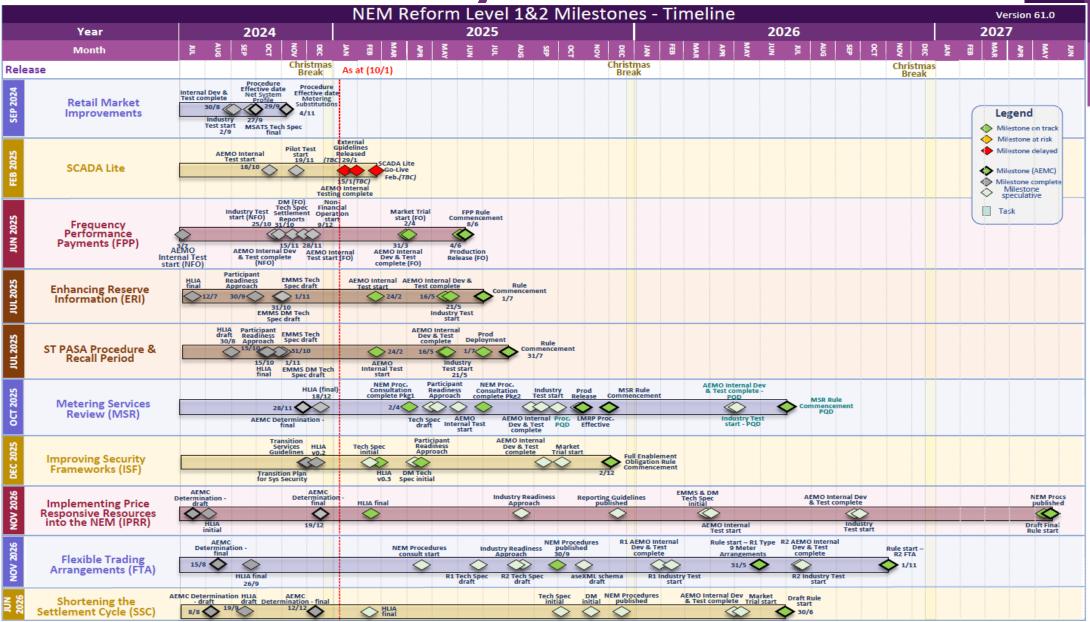
Item	Topic	Action	Responsible	Status
28.6.0.1	Frequency Performance Payments (FPP)	Participants are encouraged to provide feedback on their interest in partaking in the NFO period, and the extent to which industry participants feel informed and prepared to adopt the changes, prior to full rule commencement. Survey can be access		



3. 2025 / 2026 Release Summary

Release Summary milestones







4. BDU Transition Completion

IESS bidirectional unit (BDU) transition completion



Status	Complete
Summary	
No. BESS transitioned to BDU	26
Total registered capacity (MW)	1,850
Total registered storage capacity (MWh)	2,786

	Summary by region							
	NSW	QLD	SA	VIC	TAS			
No. BDUs	7	4	9	6	0			
Total registered capacity (MW)	360	450	510	530	0			
Total registered storage capacity (MWh)	648	850	563	725	0			

Key benefits summary with introduction of BDU model

- Introduction of energy visibility ("Storage Capacity" in MWh), improving forward-looking processes (PD particularly) by enabling more accurate decisions ahead of time by AEMO control room
- Improved visibility of charging and discharging of unit via bids, as registered unit now reflects physical single unit
- Increased accuracy of FCAS over the full range operation from lower to raise services and minimum to maximum enablement across FCAS types
- Simplified registration process for storage facilities, ultimately lowering barriers for firming storage participation in the NEM required for the energy transition



5. Pre-Production



Refresh Timings

Pre-prod refresh dates and outage timings for 2025

- Pre-prod Wholesale and Retail refresh required to support FPP (FO) Market Trial.
 The outage will be one week and has been scheduled for the last week in February 24 Feb to 28 Feb.
- Wholesale production copy for the refresh will be taken on 14 February.
- Retail production copy for the refresh to be taken on 24 February.

Data Model updates

Data Model 5.5 scheduled to be deployed in Pre-Prod <u>25 March.</u>



6. February 2025 Release



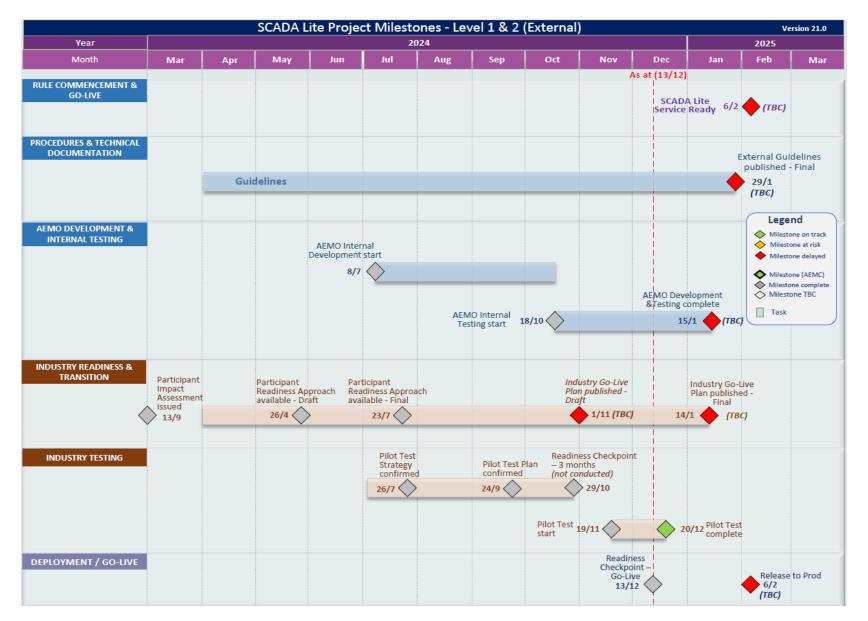
SCADA Lite

Greg Minney



SCADA Lite Timeline





Progress Summary

Overall project status **RED**

- SCADA lite Service
 Commencement date has been delayed and will not commence in February 2025
- Project team will confirm revised service commencement date at upcoming PCF
- AEMO will continue to work with pilot customers to support introduction of the production capability.



SCADA Lite – milestones

Level	Milestone ID	Milestone	Project -	Target Dal	Expected Date 🔻	RAG	Tentative / Confirmed ▼	Commentary
Level 2	SCL-201	Partcipant Impact Assessment issued	SCADA Lite	13-Sep-2023			Confirmed	
Level 2	SCL-202	Participant Readiness Approach available - Draft	SCADA Lite	23-Apr-2024	26-Apr-2024		Confirmed	
Level 2	SCL-203		SCADA Lite	8-Jul-2024			Confirmed	
Level 2	SCL-203	Participant Readiness Approach available- Final	SCADA Lite	23-Jul-2024			Confirmed	
Level 2	SCL-204	Participant Readiness and Go-live Criteria published	SCADA Lite	26-Jul-2024			Confirmed	
Level 2	SCL-205	Pilot Test Strategy confirmed with participant	SCADA Lite	26-Jul-2024			Confirmed	
Level 2	SCL-208	Pilot Test Plan confirmed with participant	SCADA Lite	30-Aug-2024	24-Sep-2024		Confirmed	3 week delay, no flow on impact
Level 2	SCL-207	AEMO Internal Testing start	SCADA Lite	18-Oct-2024			Confirmed	
Level 2	SCL-206	Readiness Checkpoint - 3 month	SCADA Lite	29-Oct-2024	N/A		Confirmed	Checkpoint not conducted due to delivery schedule replanning
Level 2	SCL-213	Industry Go-Live Plan published - draft	SCADA Lite	1-Nov-2024	TBC	Red	Confirmed	To be re-assessed as part of production release re-schedule
Level 1	SCL-101	AEMO development and internal testing complete	SCADA Lite	13-Nov-2024	TBC	Red	Confirmed	To be re-assessed as part of production release re-schedule
Level 1	SCL-102	Pilot test period commences	SCADA Lite	14-Nov-2024	19-Nov-2024		Confirmed	Pilot Test for network started
Level 1	SCL-103	Pilot Test Complete	SCADA Lite	4-Dec-2024	ÿ.	Green	Confirmed	Pilot Test period reduced due to scope reduction
Level 2	SCL-210	Readiness checkpoint - Go-live (Comms)	SCADA Lite	13-Dec-2024		Green	Confirmed	
Level 2	SCL-211	External Guidelines published - Final	SCADA Lite	13-Dec-2024	TBC	Red	Confirmed	To be re-assessed as part of production release re-schedule
Level 2	SCL-212	Industry Go-live Plan published - final	SCADA Lite	14-Jan-2025	TBC	Red	Confirmed	To be re-assessed as part of production release re-schedule
Level 1	SCL-104	Production Release	SCADA Lite	29-Jan-2025	TBC	Red	Confirmed	To be re-assessed as part of production release re-schedule



7. June 2025 Release



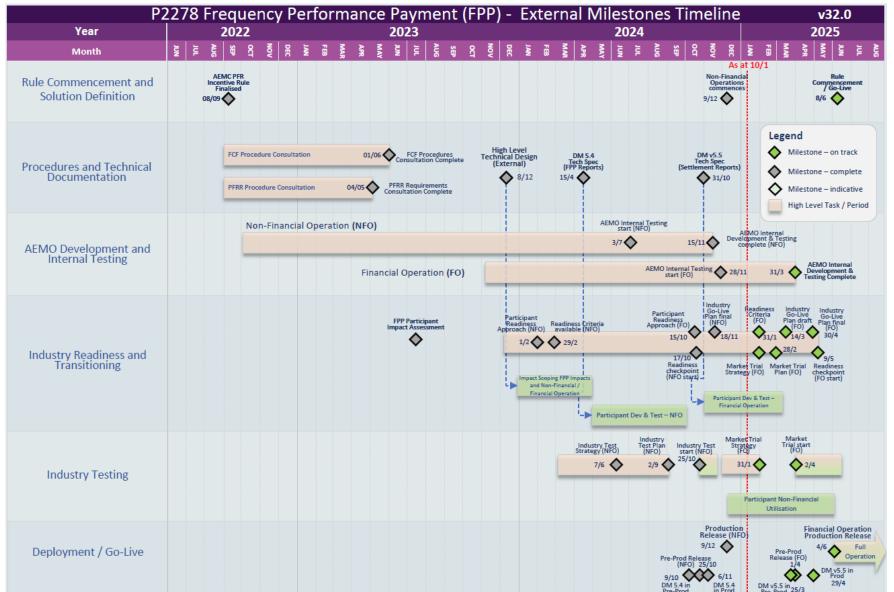
Frequency Performance Payments (FPP)

Oliver Derum / Chris Fleming



Frequency Performance Payments (FPP) Milestones Timeline





Progress Summary

Overall project status GREEN.



FPP January Update

- FPP Non-Financial Operation (NFO) commenced on 9 December.
- The one-month Hypercare period finished on 9 January. Ongoing support is available via AEMO Support Hub.
- The Hypercare period was reasonably uneventful. Of the limited number of inquiries received, most related to when certain tables and fields would be populated with data.
 - In most cases, these were fields that required two weeks of unit performance data for the calculation to be performed. They have, therefore, been populated since 23 December 2024.
 - Four tables providing estimates of FPP outcomes (FPP_P5_FWD_EST_COST, FPP_P5_FWD_EST_RESIDUALRATE, FPP_PD_FWD_EST_COST, FPP_PD_FWD_EST_RESIDUALRATE) will be populated in Production from 14 February (and in Pre-prod from 31 January).
- AEMO will schedule a session with industry in February to provide an overview of observed outcomes in the first 6-8 weeks of NFO.
- AEMO expects the AEMC will have published a consultation paper on AEMO's proposed implementation amendment to the FPP rules by 16 January.
- AEMO has submitted an application to the ATO for a Binding Private Ruling that FPP transactions are subject to GST. AEMO has been advised that a ruling can be expected by the end of February.
- Work has commenced on the FPP dashboard that will be available via AEMO's website.





Settlements Release (FPP-FO)

- The initial release of the <u>FPP Settlements data model tech spec</u> was published 31 October. Updates to DM5.5 are published monthly (most recent is December 2024).
- The final <u>Industry Readiness Approach and Go-live Criteria</u> for commencement of financial operations has been published.
- All FP milestones (as shown on slide 21) and testing remain on track.
- Testing is on schedule.

FPP-FO Market Trial Planning

- Approach to FPP-FO Market Trial presented to ITWG in November 2024. Feedback and questions on the approach can be directed to NEMReform@aemo.com.au.
- Market Trial Strategy will be published on 31 January and the FPP FO Market Trial will commence 2 April.
- Market Trial Scope:
 - Demonstrate settlements changes supporting FPP (FO).
 - Provide Participant support for the migration to data model 5.5.
 - Provide support to Participants as they compare Production 5.4 FPP data with equivalent Production Causer Pays outcomes.



FPP- External Milestones NFO (as at 15/1/25) - Delivery

Level v	Milestone IE v	Milestone	Projec √	Target Date	Expected Da_v	Status 🖳	RAG ~	Tentative / Confirmed	Commentary
Level 2	FPP-221	High Level Technical Design (External)	FPP-NFO	15-Dec-2023	8-Dec-2023	Complete		Confirmed	
Level 2	FPP-222	Participant Readiness Approach (incl. Dev Support Reamts) published	FPP-NFO	1-Feb-2024	1-Feb-2024	Complete		Confirmed	
Level 2	FPP-230	Readiness Criteria available (NFO)	FPP-NFO	29-Feb-2024	29-Feb-2024	Complete		Confirmed	
Level 2	FPP-217	Data Model 5.4 Tech Spec (FPP Reports)	FPP-NFO	15-Apr-2024	15-Apr-2024	Complete		Confirmed	Project resource to deliver confirmed
Level 2	FPP-227	Industry Test Strategy (NFO) published	FPP-NFO	7-Jun-2024	7-Jun-2024	Complete		Confirmed	
Level 2	FPP-212	AEMO Internal Testing commenced (NFO)	FPP-NFO	3-Jul-2024	3-Jul-2024	Complete		Confirmed	Delays in completion of components of internal functionality. Internal testing commencement not impacted
Level 2	FPP-229	Industry Test Plan published (NFO)	FPP-NFO	2-Sep-2024	2-Sep-2024	Complete		Confirmed	
Level 2	FPP-233	Data Model 5.4 available in Pre-Prod	FPP-NFO	25-Sep-2024	9-Oct-2024	Complete		Confirmed	Deferred due to maintenance in Pre-Prod
Level 2	FPP-232	Readiness Checkpoint - Industry Test start (NFO)	FPP-NFO	15-Oct-2024	17-Oct-2024	Complete		Confirmed	
Level 2	FPP-225	Pre-Production Release (NFO)	FPP-NFO	25-Oct-2024		Complete		Confirmed	
Level 1	FPP-104	Industry Test start (NFO)	FPP-NFO	25-Oct-2024		Complete		Confirmed	
Level 2	FPP-234	Industry Go-Live Plan published - draft (NFO)	FPP-NFO	4-Nov-2024	22-Oct-2024			Confirmed	
Level 2	FPP-236	Readiness Checkpoint - Go-Live (NFO)	FPP-NFO	8-Nov-2024	17-Oct-2024	Complete		Confirmed	Combined with 17/10 checkpoint. On track for go-live
Level 2	FPP-238	Data Model 5.4 available in Prod	FPP-NFO	6-Nov-2024	6-Nov-2024	Complete		Confirmed	Rescheduled from 30/10 due follow on impact of maintenance in Pre-Prod, maintaining duration available in Pre-Prod
Level 1	FPP-103	AEMO Internal Development & Testing complete (NFO)	FPP-NFO	22-Oct-2024	15-Nov-2024	Complete		Confirmed	Complete except redevelopment of 4 external reports
Level 2	FPP-235	Industry Go-Live Plan published - final (NFO)	FPP-NFO	18-Nov-2024	18-Nov-2024	Complete		Confirmed	
Level 2	FPP-215	Industry Test finish (NFO)	FPP-NFO	22-Nov-2024		Complete		Confirmed	
Level 2	FPP-246	Production Release (NFO)	FPP-NFO	9-Dec-2024	9-Dec-2024	Complete		Confirmed	Will be completed prior to 9th of December
Level 1	FPP-105	Non-Financial Operations commences	FPP-NFO	9-Dec-2024	9-Dec-2024	Complete		Confirmed	



FPP- External Milestones FO (as at 15/1/25) - Delivery

Milestone	Projec √V	Target Date 🔻	Expected Da	Status	RAG	Tentative / Confirmed	Commentary
Data Model (FO) Tech Spec (Settlement Reports)	FPP-FO	31-Oct-2024	31-Oct-2024	Complete		Confirmed	Shifted fom 22/9 to align with other DM 5.5 inititaives
Participant Readiness Approach published (Financial Operation)	FPP-FO	31-Oct-2024	15-Oct-2024	Complete		Confirmed	Shifted from 1/10 to remove overlap with NFO release considerations
AEMO Internal Testing commenced (FO)	FPP-FO	28-Nov-2024		Complete		Confirmed	
Market Trial Strategy published (Financial Operation)	FPP-FO	31-Jan-2025			Green	Confirmed	
Readiness Criteria available (Financial Operation)	FPP-FO	31-Jan-2025			Green	Confirmed	
Market Trial Plan complete (Financial Operation)	FPP-FO	28-Feb-2025			Green	Confirmed	
Industry Go-Live Plan published - draft (Financial Operation)	FPP-FO	14-Mar-2025			Green	Confirmed	Updated from 3/3 to commence execution post DM availability
Readiness Checkpoint - Market Trial start (Financial Operation)	FPP-FO	14-Mar-2025			Green	Confirmed	
Industry Development Finish (Financial Operation)	FPP-FO	15-Mar-2025			Green	Tentative	
Data Model (FO) available in Pre-Prod	FPP-FO	25-Mar-2025			Green	Confirmed	
Data Model (FO) available in Prod	FPP-FO	29-Apr-2025			Green	Confirmed	
Pre-Production Release (Financial Operation)	FPP-FO	1-Apr-2025			Green	Confirmed	Shifted from 14/3 to commence execution post DM availability
Market Trial start (Financial Operation)	FPP-FO	2-Apr-2025			Green	Confirmed	Shifted from 17/3 to commence execution post DM availability
Industry Go-Live Plan published - final (Financial Operation)	FPP-FO	30-Apr-2025			Green	Confirmed	
AEMO Internal Development & Testing complete (Financial Operation)	FPP-FO	31-Mar-2025			Green	Confirmed	
Readiness Checkpoint - Financial Operation	FPP-FO	9-May-2025			Green	Confirmed	
Market Trial finish (Financial Operation)	FPP-FO	20-May-2025			Green	Tentative	
Production Release (Financial Operation)	FPP-FO	4-Jun-2025			Green	Confirmed	
FPP Project Go-Live / Rule Commencement	FPP-FO	8-Jun-2025			Green	Confirmed	İ







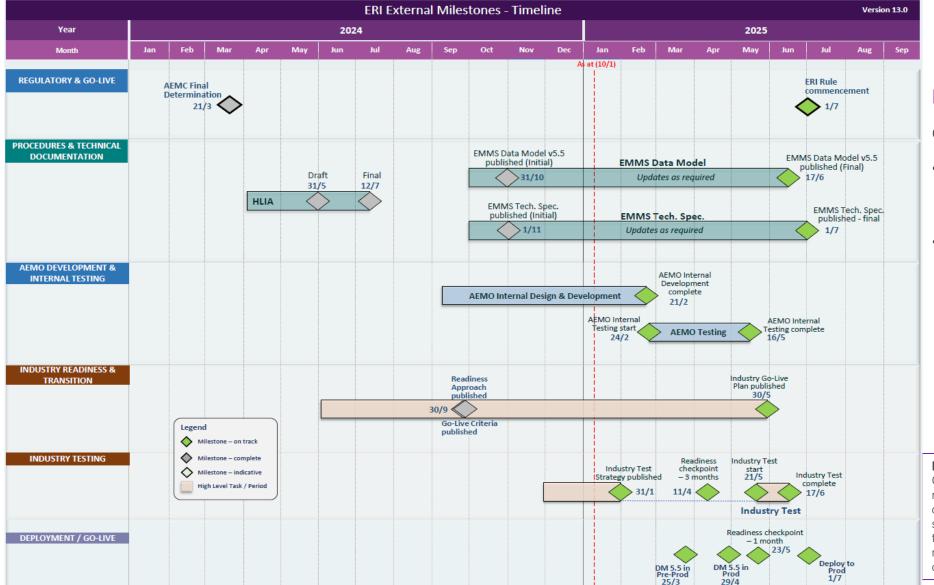
Enhanced Reserve Information (ERI)

Oliver Derum



ERI development and testing timeline





Progress Summary

Overall project status **GREEN**

- Final <u>industry readiness</u> <u>approach and go-live</u> <u>criteria</u> published 3 Oct.
- Updated EMMS Tech Spec containing the change in requirement of Recall Period is due to be published end of January.

Note

Commencement of aggregated state of charge reporting each trading interval in Tasmania will not occur until three independently operated gridscale batteries are present, or on 1 July 2027 at the latest. A proportional period of re-testing, readiness and engagement activity will precede commencement.



ERI Milestones

Level	Milestone ID	Milestone	Target Date	Expected Date	Status	RAG	Tentative / Confirmed	Commentary
Level 2	ERI-201	AEMC Draft determination	21-Dec-2023	21-Dec-2023	Complete		Confirmed	
Level 1	ERI-101	AEMC Final Determination	21-Mar-2024	21-Mar-2024	Complete		Confirmed	
Level 2	ERI-202	HLID/ PIA (draft)	31-May-2024	31-May-2024	Complete		Confirmed	
Level 2	ERI-203	Updated HLID / PIA (final)	5-Jul-2024	12-Jul-2024	Complete		Confirmed	
Level 2	ERI-205	Industry Readiness Approach published	30-Sep-2024	30-Sep-2024	Complete		Confirmed	Milestone shifted from 30/8 to align with Confirmed milestones, and industry response to draft approaches
Level 2	ERI-206	Industry Go-Live Criteria published	30-Sep-2024	30-Sep-2024	Complete		Confirmed	Milestone shifted from 30/8 to align with Confirmed milestones, and industry response to draft approaches
Level 2	ERI-204	EMMS Data Model v5.5 Tech Spec published (initial)	31-Oct-2024	31-Oct-2024	Complete		Confirmed	
Level 2	ERI-216	EMMS Tech Spec published (initial)	1-Nov-2024	1-Nov-2024	Complete		Confirmed	
Level 2	ERI-209	Industry Test Strategy published	31-Jan-2025			Green	Confirmed	
Level 2	ERI-207	AEMO Internal Development complete	21-Feb-2025			Green	Confirmed	
Level 2	ERI-208	AEMO Internal Testing start	24-Feb-2025			Green	Confirmed	
Level 2	ERI-212	EMMS Data Model 5.5 released to Pre-Production	25-Mar-2025			Green	Confirmed	
Level 2	ERI-217	Readiness checkpoint - 3 months	11-Apr-2025			Green	Confirmed	
Level 2	ERI-213	EMMS Data Model 5.5 released to Production	29-Apr-2025			Green	Confirmed	
Level 2	ERI-210	AEMO Internal Development & Testing complete	16-May-2025			Green	Confirmed	
Level 1	ERI-102	Industry Testing start	21-May-2025			Green	Confirmed	
Level 2	ERI-211	Industry Go-Live Plan published	30-May-2025			Green	Confirmed	
Level 2	ERI-218	Readiness checkpoint - 1 month	23-May-2025			Green	Confirmed	
Level 2	ERI-215	Industry Testing complete	17-Jun-2025			Green	Confirmed	
Level 2	ERI-214	EMMS Data Model v5.5 Tech Spec published (final)	17-Jun-2025			Green	Confirmed	
Level 2	ERI-219	EMMS Tech Spec published (Final)	1-Jul-2025			Green	Confirmed	
Level 1	ERI-103	Deployment to Production (Reporting)	1-Jul-2025			Green	Confirmed	
Level 1	ERI-104	Rule Commencement (Reporting)	1-Jul-2025			Green	Confirmed	
Level 2	ERI-	AEMO Internal Testing start (Real Time Reporting)	15-Feb-2027			Green	Tentative	
Level 2	ERI-	Industry Readiness Approach published (Real Time Reporting)	15-Jan-2027			Green	Tentative	
Level 2	ERI-	Industry Go-Live Criteria published (Real Time Reporting)	15-Mar-2027			Green	Tentative	
Level 2	ERI-	Industry Test Strategy published (Real Time Reporting)	15-Mar-2027			Green	Tentative	
Level 1	ERI-	Industry Testing Commences (Real Time Reporting)	15-May-2027			Green	Tentative	
Level 2	ERI-	Industry Go-Live Plan published (Real Time Reporting)	30-May-2027			Green	Tentative	
Level 1	ERI-	Deployment to Production (Real Time Reporting)	1-Jul-2027			Green	Tentative	
Level 1	ERI-	Rule Commencement (Real Time Reporting)	1-Jul-2027			Green	Tentative	



ST PASA Procedure and Recall Period

Nicole Nsair



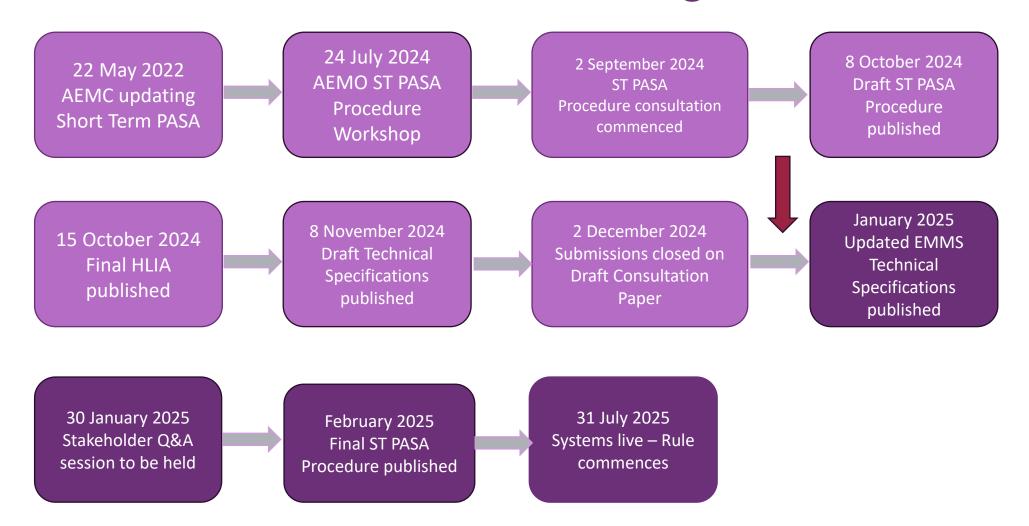


ST PASA Procedure January update

- Submissions to the Draft Consultation paper have closed. The Final Procedure is due for publication in February 2025. Thank you to those stakeholders who provided their feedback.
- An Information Session is being held at 10am-11.30am AEDT on Thursday 30 Jan to help provide clarity to stakeholders. Please contact <u>NEM Reform</u> if you would like to attend.
- For readiness activities and approach e.g. Industry Test Strategy, Industry Go-Live Plan please refer to the <u>Final ERI and ST PASA</u> <u>Industry Readiness Approach</u>.

ST PASA Procedure Indicative High-level Timeline



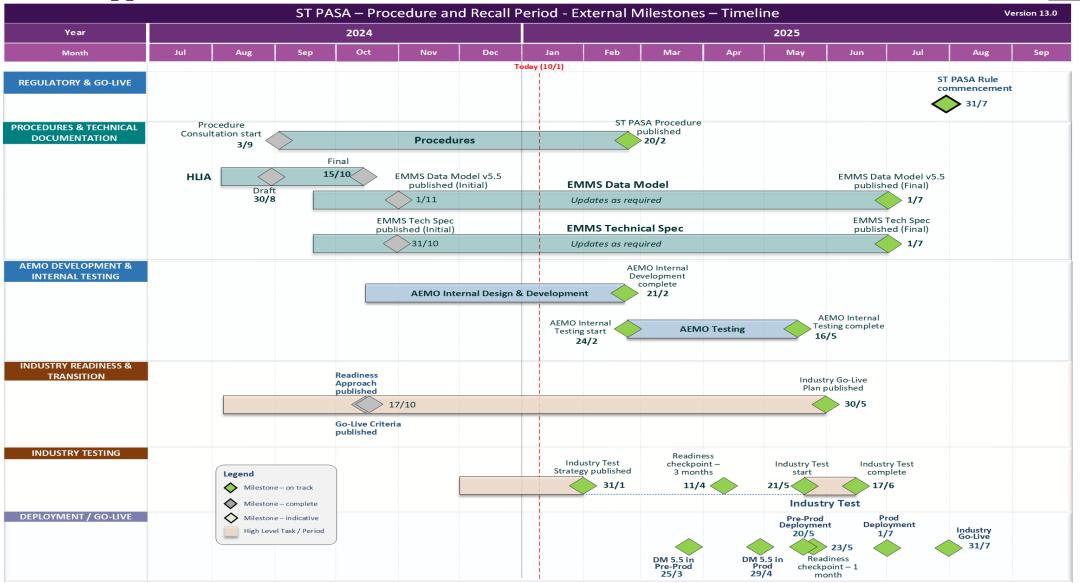


QUICK REFERENCES

- AEMO ST PASA Procedure and Recall Period webpage
- AEMC Updating Short Term PASA

ST PASA Procedure & Recall Period development and testing timeline







ST PASA Recall Period Milestones

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed
Level 2	STP-201	HLIA published - draft	30-Aug-2024	30-Aug-2024		Confirmed
Level 2	STP-203	Procedure Consultation start	2-Sep-2024	2-Sep-2024		Confirmed
Level 2	STP-202	HLIA published - final	15-Oct-2024	17-Oct-2024		Confirmed
Level 2	STP-206	Industry Readiness Approach published	15-Oct-2024	17-Oct-2024		Confirmed
Level 2	STP-207	Industry Go-Live Criteria published	15-Oct-2024	17-Oct-2024		Confirmed
Level 2	STP-204	EMMS Data Model v5.5 published - initial	31-Oct-2024	1-Nov-2024		Confirmed
Level 2	STP-205	EMMS Technical Spec published - initial	8-Nov-2024	31-Oct-2024		Confirmed
Level 2	STP-210	Industry Test Strategy published	31-Jan-2025		Green	Confirmed
Level 2	STP-212	ST PASA Procedure published	20-Feb-2025		Green	Confirmed
Level 2	STP-208	AEMO Internal Development complete	21-Feb-2025		Green	Confirmed
Level 2	STP-209	AEMO Internal Testing start	24-Feb-2025		Green	Confirmed
Level 2	STP-211	EMMS Data Model v5.5 deployed to Pre-Production	25-Mar-2025		Green	Confirmed
Level 2	STP-213	Readiness checkpoint - 3 months	11-Apr-2025		Green	Confirmed
Level 2	STP-214	EMMS Data Model v5.5 deployed to Production	29-Apr-2025		Green	Confirmed
Level 1	STP-101	AEMO Internal Testing complete	16-May-2025		Green	Confirmed
Level 2	STP-215	Pre-Production deployment complete	20-May-2025		Green	Confirmed
Level 1	STP-102	Industry Test start	21-May-2025		Green	Confirmed
Level 2	STP-216	Industry Go-Live Plan published	30-May-2025		Green	Confirmed
Level 2	STP-218	Readiness checkpoint - 1 month	23-May-2025		Green	Confirmed
Level 2	STP-217	Industry Test complete	17-Jun-2025		Green	Confirmed
Level 2	STP-219	EMMS Data Model v5.5 published - final	1-Jul-2025		Green	Confirmed
Level 2	STP-220	EMMS Technical Spec published - final	1-Jul-2025		Green	Confirmed
Level 1	STP-103	Production Deployment complete	1-Jul-2025		Green	Confirmed
Level 1	STP-104	Industry Go-Live	31-Jul-2025		Green	Confirmed
Level 1	STP-105	ST PASA Recall Period - Rule Commencement	31-Jul-2025		Green	Confirmed

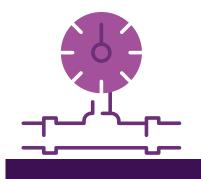






Metering Services Review (MSR)

Justin Stute / Dylan Volkhardt



Metering Services Review



On 28 November 2024, the Australian Energy Market Commission (AEMC) published the Accelerating Smart Meter Deployment (ASMD) final rule to achieve universal smart meter deployment in the NEM by 2030. The final rule introduces a package of reforms designed to accelerate the deployment of smart meters and unlock the benefits of smart meter data.

AEMO has created three consultations packages for this rule change:

Package 1: Acceleration

Package 2: Testing/Inspection and Malfunctions

Package 3: Power Quality Data



Metering Services Review - Package 1

AEMO published its draft determination for Package 1 on the 18 December 2024.

Package 1 details:

- Legacy Meter Replacement Plan the DNSP to populate a DD/MMM/YYYY against a new attribute in LMRP attribute in MSATS. Loading of this data to occur from 26 October to 27 November 2025
- Defects at the metering installation MSATS to include the defect type of the metering installation and defect flag.
- Shared isolation v3.9 of the IEC consultation considers the coordination requirements for shared isolation as well as the business-to-business changes to accommodate meter exchanges for LMRP sites and those sites with defects.
- Other matters ICFs, RoLR and Embedded Network Settlement Anomalies





AEMO plans to publish its issues paper for Package 2 on 3 February.

Package 2 details:

- Development of an asset management strategy to reliably test metering installation accuracy
 and identify metering installation condition faults in a reasonable period, regarding costs and
 benefits to consumers.
- Modification to the Metering Installation Malfunction Exemption procedure and potential changes to the Metering Installation Exemption Guideline procedure for metering installation malfunctions to comply with the new requirements in the Final rule.





AEMO plans to publish its issues paper for Package 3 early April 2025.

Package 3 details:

- Delivery of Basic Power Quality Data from the Metering Coordinator to the DNSP
- Effective date of the reform begins 1 July 2026





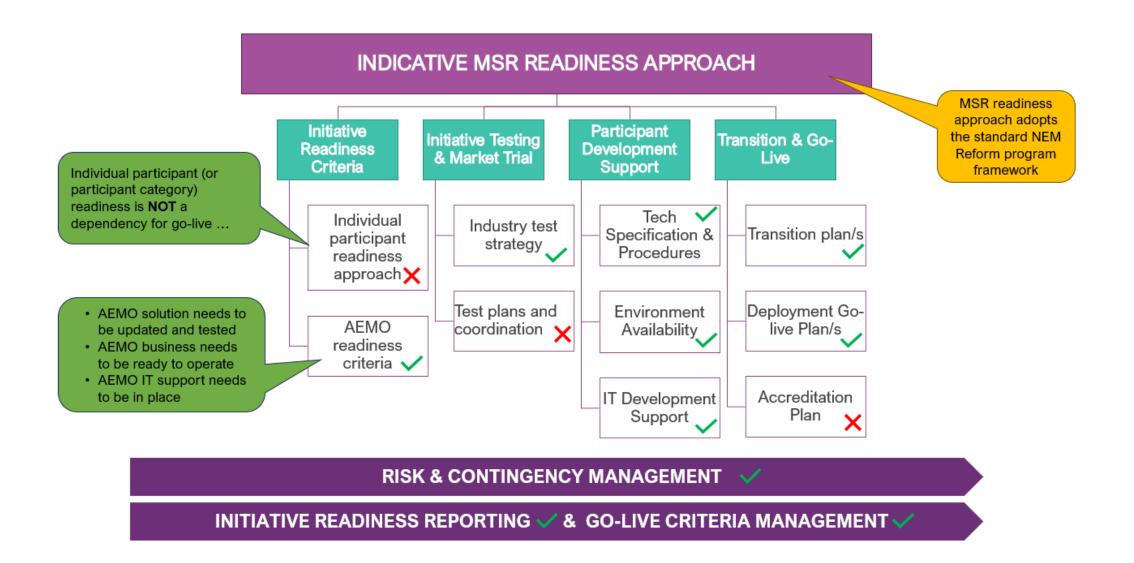
AEMO published its draft Technical Specification on 17 December 2024
https://visualisations.aemo.com.au/aemo/web-
techspecportal/Content/TSP_MSATS_Oct2025/MSATS_-_Technical_Specification_-_October_2025.pdf

Projects included:

- MSR Package 1 (acceleration)
- Embedded Network Settlement Anomalies
- RoLR reporting
- ICF 077, ICF 078
- IEC B004/22, IEC -B002/22

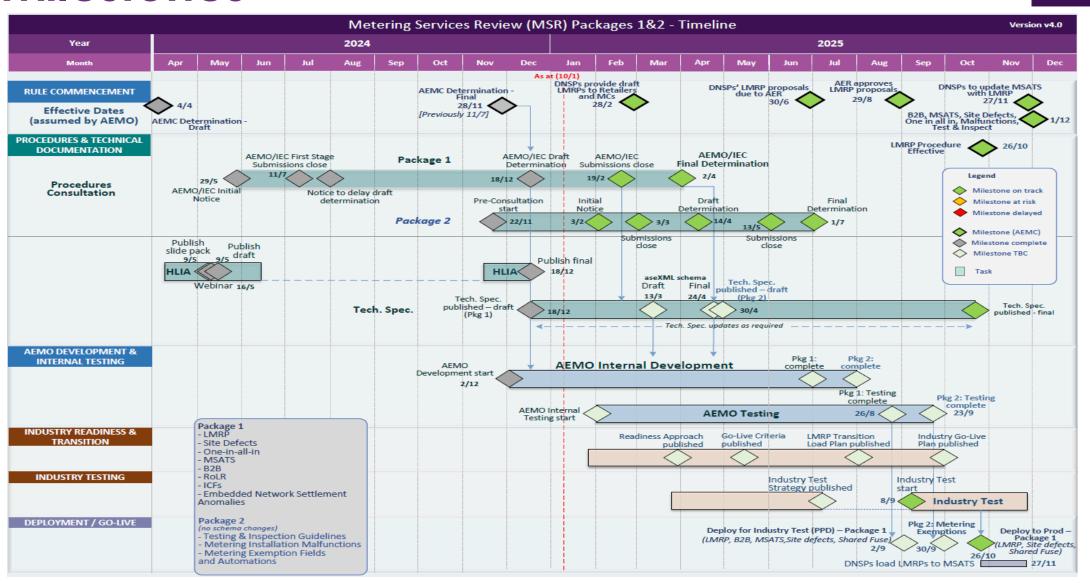


Metering Services Review – Readiness approach



Metering Services Review Implementation Milestones







10. December 2025 Release



Improving Security Frameworks (ISF) for the Energy Transition



For Noting



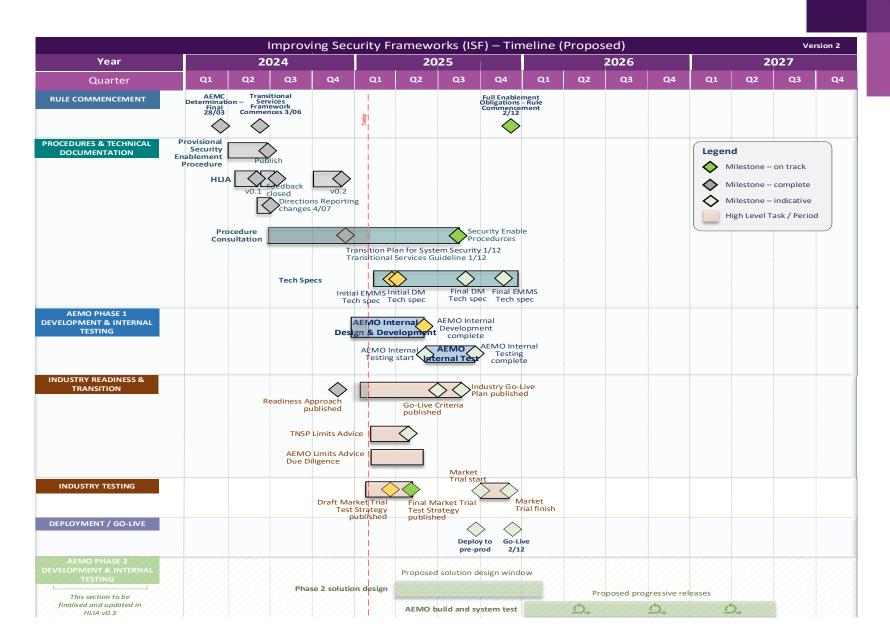


- Several procedural amendments have been made in line with 1 December 2024 ISF Rule milestone:
 - The Inertia Requirements Methodology has now been updated
 - The NSCAS Description and Quantity Procedure has now been updated
 - The annual System Strength, Inertia and NSCAS reports were published on 2 December 2024, that follow the above updated methodologies.
- AEMO's first Transition Plan was published on 2 December 2024.
- An <u>update to the HLIA</u> was published in December, including updated material in response to stakeholder feedback and further details on how the ISF Rule will be implemented.
 - AEMO is seeking feedback on this HLIA by Friday 31 January 2025. Comments and questions can be sent via email to NEMReform@aemo.com.au.
- AEMO intends to publish the next update to the HLIA in March 2025, which will consider amendments
 due to stakeholder feedback received and further information on the System Impacts and Implementation
 pathway.

Improving Security Frameworks Timeline



- Procedure and guideline consultation milestones for 2024 have been achieved.
- Risks identified around compressed timeframes and procedure implementation (due 31 Aug 2025) which may add complexity to implementation.
- Some challenges mobilising internal resourcing to complete internal planning processes.
- External milestones remain on track, and we will continue to provide updates to this forum.









Flexible Trading Arrangements (FTA)

For Noting



Flexible Trading Arrangements



Key changes from the Draft Rule to the Final Rule are:

- Introduction of an 'NMI Service Provider' role, which establishes and maintains a SSP NMI
- Introduction of Type 8A and Type 8B metering types:
 - Type 8A metering installation can be a secondary settlement point for a large or a primary connection point for a Large CER asset.
 - Type 8B metering installation can be a secondary settlement point for a small customer
- Earlier effective date for Type 9 metering installations

Key dates:

- Rule Effective Dates
 - 31 May 2026 for Type 9 metering installations
 - 1 November 2026 for remainder of the reform
- AEMO Workshop Dates:
 - DNSPs 23 October 2024 (Completed)
 - Retailers 7 November 2024 (Completed)
 - MCs/MPs/MDPs 20 November 2024 (Completed)
 - Workflow workshop 18 February 2025 (Upcoming)



Workshop Key Takeaways To-date

DNSP Focus Group Session

- Discussed what options would allow the DNSP to find SSP(s) in their network
- Discussed options for DNSPs to receive metering data and standing data from SSP where they are not a role holder in MSATS
 - Option 1 New Participant Role
 - Option 2 New Standing Data attribute

Retailer Focus Group Session

- Provided an overview of energy allocation for SSP and retailer data reconciliation
- Discussed NMI discovery proposal and new attributes of Service Type and IsPremises
- Discussed new obligations for retailers of Metering Installation Malfunctions



Workshop Key Takeaways To-date

MCs/MPs/MDPs

- Discussed accreditation requirements for MP and MDP and accreditation timeframes
- Proposed a change to the Metering Installation Type Codes highlighted in the in the Final HLIA
- Discussed the requirements of the Rule for MDPs to flag to AEMO outages and disconnections at premises connection point

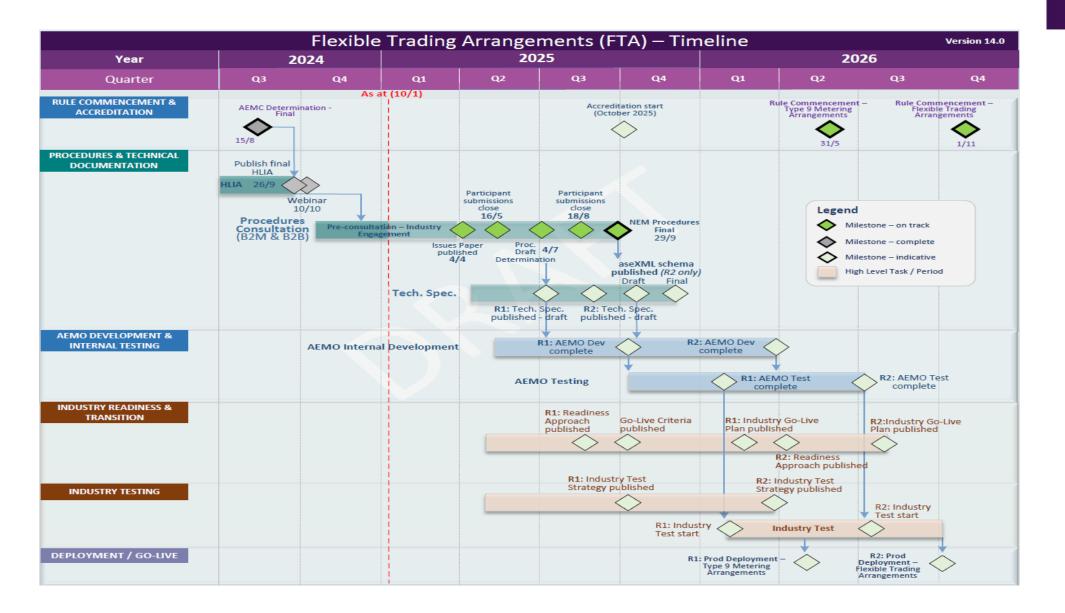




- Workflow Workshop scheduled for Tues 18 Feb
 - Please contact <u>NEMReform@aemo.com.au</u> if you have not received an invitation and would like to attend
 - Anticipated workshop agenda
 - Recap of focus group sessions from 2024
 - Including AEMO's latest positions
 - Outline of the NMISP role (separate session available if required)
 - Walk-through of key use case
 - Next steps
 - Additional sessions (if required)
 - Formal consultation commencement

Flexible Trading Arrangements





Project Energy Connect Market Integration (PEC-MI)



For Noting



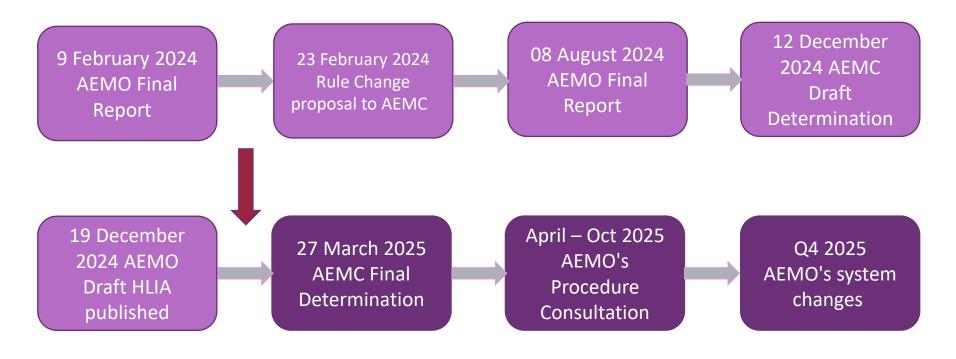




- <u>AEMO's Draft HLIA</u> was published 19 December 2024. It sets out:
 - What changes are required from the AEMC's Draft Determination and Rule
 - Integration of changes to allow the changes to allocation and distribution of IRSR and incorporation of transmission loop into the NRM process
 - Minor amendments to the Settlement Residue Auction (SRA) to include PEC (there are no changes to SRA arrangements or the allocation of positive IRSR from the draft Rule)
 - System impacts and what will change for industry.
- Submissions to the AEMC's draft Determination and draft rule, are due to the AEMC by 30 January 2024.
- AEMO welcomes feedback on the draft HLIA. Any comments or feedback should be sent by email to NEMReform@aemo.com.au by Friday February 14, 2025.

PEC-MI Indicative High-level Timeline





Q3 2026 PEC MI Rule commences

QUICK REFERENCES

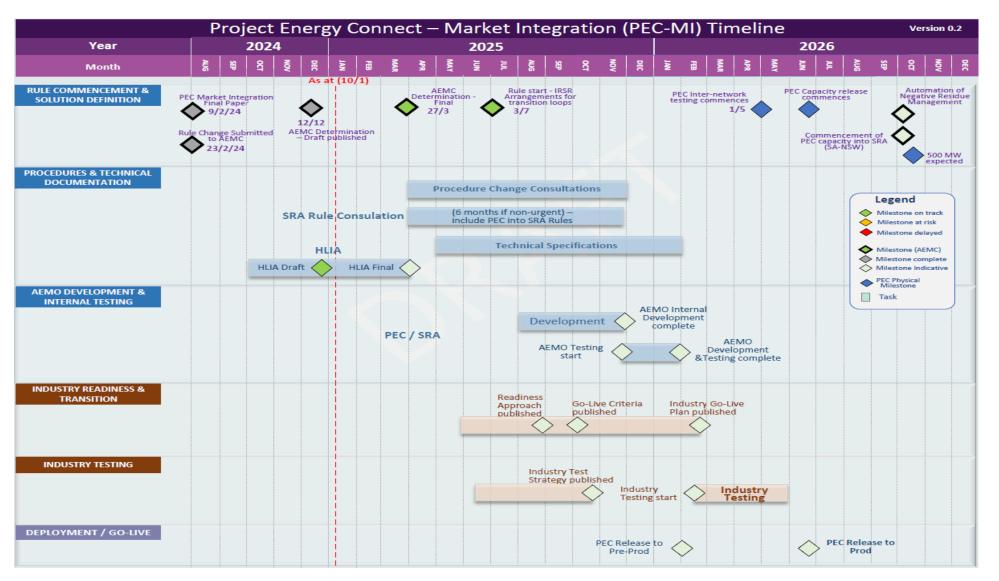
AEMO PEC-MI webpage
PEC Industry webpage
AEMC Rule Change

NB

PEC 2 will be completed and in service by the June quarter of 2026 (Inter-network testing to commence 1 May 2026)

Project Energy Connect Market Integration (PEC-MI)







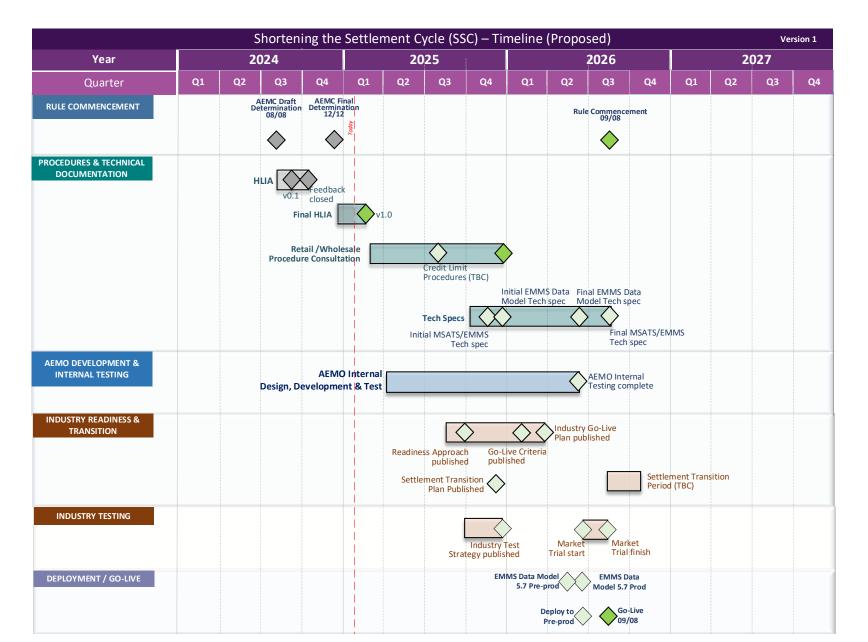
Shortening the Settlement Cycle

For Noting



SSC Timeline









- AEMC Final Rule was published on 12 December
 - The Rule reflects AEMO's proposed alternative cycle (HLIA pathway 3) which includes an additional 20 day revision (R0)
 - The 20 day revision will be settled as an adjustment to a final invoice published at least 8 business days later, consistent with 20 week and 30 week revisions settlement timing
- The HLIA will be published 11 February and will reflect the Final Determination pathway and participant feedback
- The Final Rule will take effect 9 August 2026 with the transition to the shorter settlement to be complete by 17 October 2026
- AEMO is required under the transitional rules to work with industry to develop a transition plan/calendar by 5 December 2025



Integrating Price-Responsive Resources into the NEM (IPRR)

Noting



IPRR update



Policy process to date



The IPRR high-level implementation assessment (HLIA) provides an indicative and preliminary view to participants on how the IPRR rule may be implemented by AEMO.











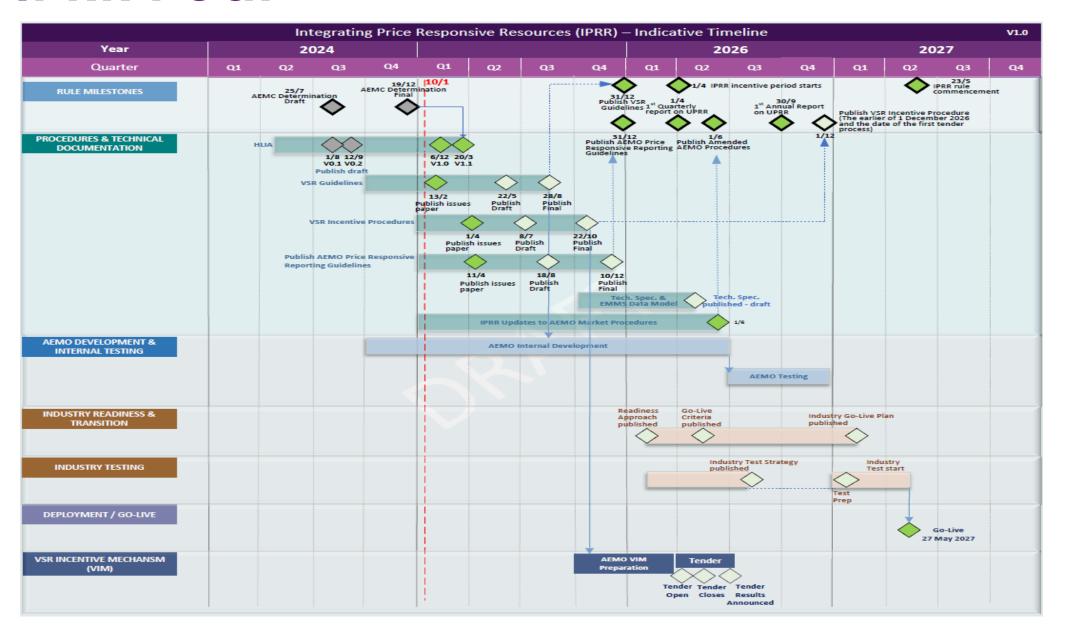
IPRR upcoming consultations

- Upcoming engagement on major new IPRR documents that will likely be of interest to the Implementation Forum is set out in the table.
- AEMO is also engaging with the EWCF on the IPRR procedure change plan, having identified around 32 existing documents that require varying levels of changes to be compliant with the IPRR rule.

ITEM	PURPOSE	STAGE	PUBLISH DATE	PUBLIC FORUM	FEEDBACK DUE
IPRR HIGH-LEVEL IMPLEMENTATION ASSESSMENT	Provides an indicative and preliminary view to participants on how the IPRR rule may be implemented by AEMO.	Version based on final rule for feedback	Thu 06 Feb	Thu 13 Feb (TBC)	Thu 27 Feb
VSR GUIDELINES	Establishes the technical characteristics of VSRs and manage their operation.	Issues paper	Thu 13 Feb	Fri 28 Feb	Thu 20 Mar
PRICE RESPONSIVE REPORTING GUIDELINES	Establishes how AEMO will meet its annual reporting obligations on unscheduled price-responsive resources, and the information and metrics that AEMO will include in its quarterly reporting on unscheduled price responsive resources.	Issues paper	Fri 11 Apr (TBC)	TBC	June 2025 (TBC)
VSR INCENTIVE PROCEDURE	Specifies a range of matters to support operation of the VSR incentive mechanism / "participation payments".	Issues paper	Tue 01 Apr (TBC)	TBC	Tue 29 Apr (TBC)

IPRR PoaP







12. Production / Transition Changes

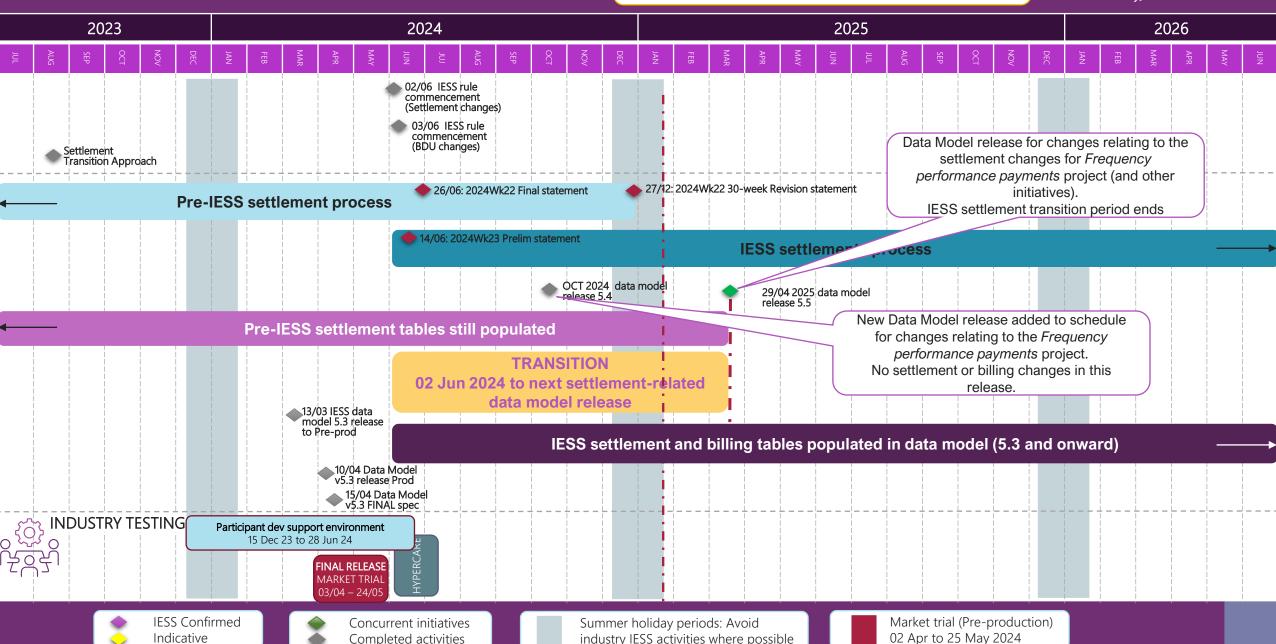
IESS SETTLEMENTS TRANSITION

Indicative

Completed activities

Subscribe to SETTLMENTS LEGACY report to continue to receive SETCPDATA, SETGENDATA, SETSMALLGENDATA during the IESS settlement transition period.





industry IESS activities where possible



13. Stakeholder Engagement





Ulrika Lindholm



End of year survey results and priorities



- In November-December 2024 AEMO sought feedback from forum participants on their experience with the NEM Reform Program over the course of 2024.
- Next steps include:
 - A summary of feedback received to be provided to the Implementation Forum in Q1 2025.
 - Actions will be worked through with the Program Consultative Forum in Q1 2025.





Upcoming Engagements

For Noting







Engagement	Date	Time (AEDT)
Electricity Retail Consultative Forum	28 January	10:30am – 12:30pm
NEM Reform Industry Testing Working Group	29 January	11:00am – 12:00pm
MITE Working Group	29 January	1:00pm – 4:30pm
ST PASA Procedure & Related Documents Consultation Stakeholder Information Session	30 January	10:00am – 11:30am
NEM Reform Program Consultative Forum	30 January	1:00pm – 3:00pm
NEM Reform Electricity Wholesale Consultative Forum (In-person & Online)	11 February	1:00pm – 3:00pm
IPRR Final HLIA Stakeholder Forum (Placeholder)	13 February	2:00pm – 4:00pm
IDX 'AEMO Gateway Software' Focus Group	14 February	1:00pm – 4:00pm
Flexible Trading Arrangements: Pre-Consultation Review	18 February	10:00am – 1:00pm
ISF Working Group Workshop (In-person)	20 February	10:00am – 2:00pm
NEM Reform Implementation Forum	20 February	3:00pm – 5:00pm
MITE IDX Inquiry Service Focus Group Session	21 February	1:00pm – 4:00pm
Industry Forum on FPP observations from NFO (Placeholder)	26 February	10:30am – 11:30am
NEM Reform Industry Testing Working Group	27 February	10:00am – 11:00am
NEM Reform Program Consultative Forum	27 February	1:00pm – 3:00pm
Voluntary Scheduled Resources Guideline Industry Forum (IPRR) (Placeholder)	28 February	10:00am – 11:30am
Metering Services Review: Power Quality Data - Technical Focus Group	28 February	1:30pm – 3:00pm







14. 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.