

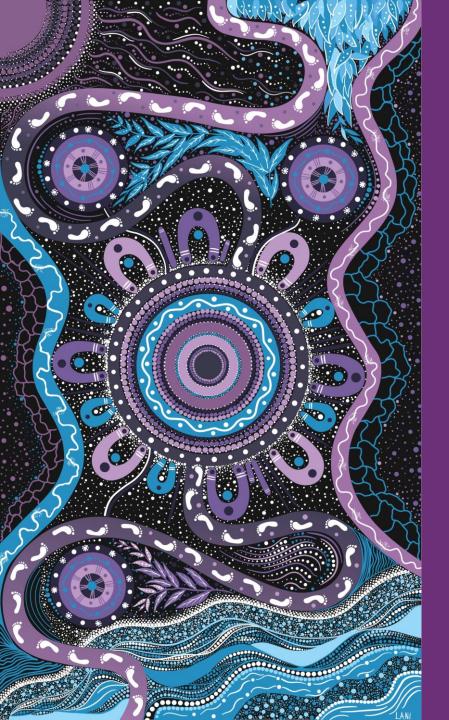
NEM Reform Implementation Forum

Meeting #30 20 February 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.







#	Time	Topic	Presenter
1	3:00-3:05pm	Welcome	Greg Minney
2	3:05–3:10pm	Actions & Feedback from Previous Meeting	Greg Minney
3	3:10-3:20pm	2025 /2026 Release Summary	Greg Minney
4	3:25-3:35pm	Pre-Production • Refresh timings	Chris Fleming
5	3:50-4:05pm	June 2025 Release Frequency Performance Payments (FPP) Progress Summary (FO) GST ruling Implementation amendment Frequency Contribution Factors Procedure update NFO Production summary FO Market Trial Strategy SCADA Lite – progress update	Oliver Derum / Chris Fleming
6	4:05-4:20pm	 July 2025 Release Enhancing Reserve Information (ERI) Progress Update ST PASA Procedure and Recall Period Progress/Release/Timing/ Implications update Information Session Feedback/Recommendations 	Oliver Derum Nicole Nsair
7	4:20-4:35pm	October 2025 Release • Metering Services Review (MSR) • Progress Update • Schema releases over multiple procedure effective dates	Justin Stute Simon Tu

#	Time	Topic	Presenter
8	4:35 – 4:40	 December 2025 Release Improving Security Frameworks (ISF) for the Energy Transition 	Ulrika Lindholm
9	4:40- 4:45	 Upcoming Initiatives Flexible Trading Arrangements (FTA) - Project Energy Connect Market Integration (PEC-MI) Shortened Settlement Cycles (SSC) Integrating Price Responsive Resources (IPRR) into the NEM 	For Noting
10	4:45-4:55pm	Stakeholder EngagementUpcoming EngagementUpdating contact details	Greg Minney
11	4:55-5:00pm	General Questions & Other Business	Greg Minney

Appendix A:

Competition law meeting protocol and AEMO forum expectations



2. Actions & Feedback from Previous Meeting





Item	Topic	Action	Responsible	Status
29.9.1	MSR r46 Schema update	AEMO to provide further detail on the timing and other considerations for the r46 B2B and B2M schema upgrade.	AEMO	Closed – See MSR Agenda item

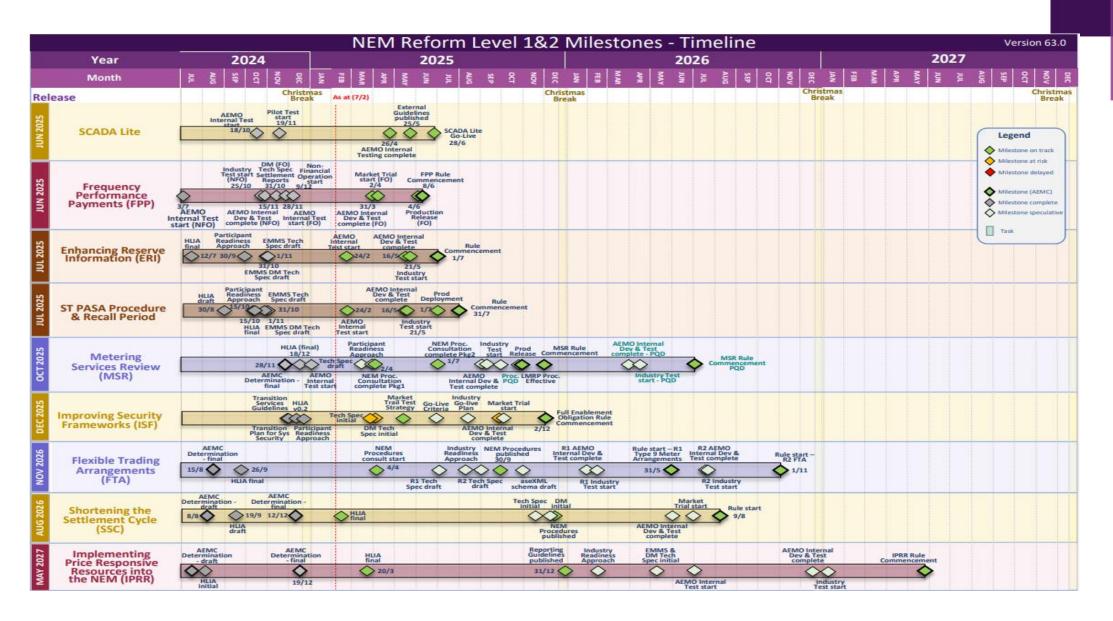
The latest meeting minutes and materials are available on the <u>Implementation Forum</u> webpage.



3. 2025 / 2026 Release Summary

Release Summary milestones







5. Pre-Production



Environment Updates

Pre-prod refresh dates and outage timings for 2025

- Potential change to the Pre-prod Wholesale and Retail refresh supporting the FPP (FO) Market Trial due to Pre-prod maintenance activities.
- The refresh had been scheduled for the last week in February **24 Feb to 28 Feb**. The outage date will be confirmed during the Implementation Forum Meeting.
- Wholesale production copy for the refresh will be taken on 14 February (TBC).
- Retail production copy for the refresh to be taken on 24 February (TBC).

Data Model updates

- Data Model 5.5 scheduled to be deployed in Pre-Prod <u>25 March</u> and production <u>29</u>
 <u>April.</u>
- IESS settlements transition ends with this DM Release
 - The following legacy tables will no longer be available SETCPDATA, SETGENDATA, SETSMALLGENDATA



6. February 2025 Release



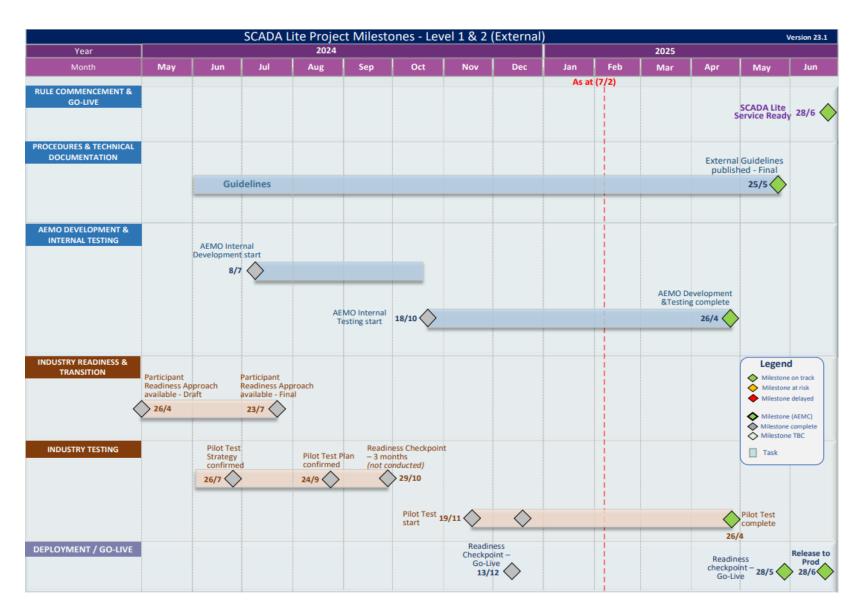
SCADA Lite

Greg Minney



SCADA Lite Timeline





Progress Summary

Overall project status **GREEN**

- Revised SCADA lite Service Commencement date 28 Jun 2025.
- AEMO development and testing complete target 26 Apr
- Registration Guideline target publish date 25 May.
- Go-live readiness checkpoint 28 May.
- AEMO will continue to work with pilot customers to support introduction of the production capability.



SCADA Lite – milestones

Level	Milestone ID 🗸	Milestone	Project v	Target Dc 🗸	Expected Date	RAG 🗸	Tentative Confirmed	Commentary <u> </u>
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	AEMO development and internal testing commences	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 1	SCL-102	Pilot test period commences	SCADA Lite	14-Nov-2024	19-Nov-2024		Confirmed	Pilot Test for network started
Level 2	SCL-210	Readiness checkpoint - Go-live (Comms)	SCADA Lite	13-Dec-2024	13-Dec-2024		Confirmed	
Level 1	SCL-101	AEMO development and internal testing complete	SCADA Lite	26-Apr-2025		Green	Confirmed	Schedule re-baseline
Level 1	SCL-103	Pilot Test Complete	SCADA Lite	26-Apr-2025		Green	Confirmed	Pilot Test period extended to allow for participant readiness.
Level 2	SCL-211	External Guidelines published - Final	SCADA Lite	25-May-2025		Green	Confirmed	Extended to allow any minor guideline changes that are identified closer to go-live
Level 2	SCL-213	Readiness Checkpoint - Go-Live (1 month)	SCADA Lite	28-May-2025		Green	Confirmed	
Level 1	SCL-104	Production Release	SCADA Lite	28-Jun-2025		Green	Confirmed	To be re-assessed as part of production release re-schedule



7. June 2025 Release



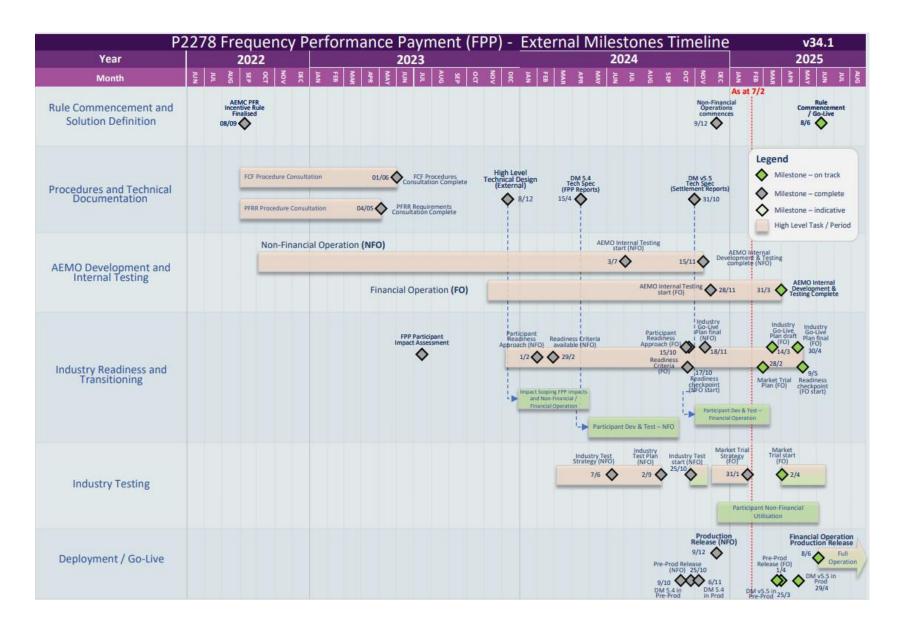
Frequency Performance Payments (FPP)

Oliver Derum / Chris Fleming



Frequency Performance Payments (FPP) Milestones Timeline





Progress Summary

Overall project status GREEN.

Settlements Release - FPP-FO

- Update to <u>EMMS DM Tech</u> <u>Spec v5.5</u> released 29 Jan.
- Market Trial Strategy published 31 Jan.
- Market Trial Plan target publish date 28 Feb on track
- Readiness Checkpoint (3 months) target 14 Mar 2025 to be provided to March Implementation Forum.
- Market Trial 2 April to 20 May 2025.
- Industry Go-live Plan target publish date 30 Apr 2025



FPP February Update

- AEMO will send invitations shortly to a March session that will provide an overview of observed outcomes in the first 6-8 weeks of NFO.
- The AEMC published a consultation paper on AEMO's proposed implementation amendment to the <u>FPP rules</u> on 16 January to better align one element of the 2022 Primary Frequency response incentive arrangements rule with recent reforms to non-energy cost recovery and enable cheaper implementation. No objections were received to the change being 'expedited'. Submissions were due by 13 February 2025 and a final determination by 13 March 2025.
- AEMO has not received a ruling from the ATO regarding the GST treatment of FPPs.
- AEMO will shortly publish a Draft for comment of updates to the Frequency Contribution factors Procedure (FCFP) that will be progressed through a single stage consultation. As previously indicated, the thee proposed changes are to:
 - Correct an error in a formula (according to which a calculation is currently performed every four seconds, when the frequency should be once every five minutes)
 - Provide explanation of how AEMO determines the total amount of generation in a region
 - Make the change that corresponds to that being currently considered by the AEMC. Note that
 the AEMC has sought stakeholder views on the possibility that consultation requirements be
 waived for this change.





Settlements Release (FPP-FO)

• Checkpoint (3 months) will be taken early March to assess project and AEMO business readiness for go-live and shared March Implementation Forum.

FPP-FO Market Trial Planning

- <u>Market Trial Strategy</u> published on 31 January. Approach was also presented to ITWG in November 2024. Feedback and questions on the approach can be directed to <u>NEMReform@aemo.com.au</u>.
- Market Trial Plan will provide details associated with industry test activities and is on track to be published on 28 Feb.
- 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 5.5 FPP data with equivalent Production Causer Pays outcomes.





FPP-FO Market Trial Planning

- Market trial Approach
 - AEMO will execute a series of Settlement runs during the Market Trial using the same approach as the IESS Settlement tests.
 - Due to variations in the prod & preprod dispatch the FPP settlement data generated in this test will not be an
 exact comparison with Production. Participants will be able to make direct comparisons between the Causer
 Pays reports and the FPP tables in production.
 - Structure of the Market Trial:
 - Backdated regression run (without FPP): Prelim, Final & R1.
 - Runs with FPP Backdated: Prelim, Final & R1 for multiple weeks.
 - FPP Forward Date: Daily runs (estimates), Final & R1 for multiple weeks.
 - Specific week numbers will be outlined in the FPP Market Trial Test Plan.
- Participant Support
 - Q&A sessions to be daily until the scheduled runs are complete.
 - Participants are asked to register for the market trial, so that Practitest access and training can be arranged.
 Registration link is here: FPP (FO) Market Trial Registration.
 - Feedback on the FPP Market Trial Strategy can be sent to NEMReform@aemo.com.au.



FPP- External Milestones NFO (as at 13/2/25) - Delivery

Level v	Milestone IE v	Milestone	Projec √	Target Date	Expected Da	Status 🔽	RAG ~	Tentative / Confirmed	Commentary <a>
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 13/2/25) - Delivery

Level v	Milestone II v	Milestone	✓ Projec	√ Target Date	Expected Da	Status 🗸	RAG V	Tentative /	Commentary
Level 2	FPP-218	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
Level 2	FPP-214	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
Level 2	FPP-237	AEMO Internal Testing commenced (FO)	FPP-FO	28-Nov-2024		Complete		Confirmed	
Level 2	FPP-223	Market Trial Strategy published (Financial Operation)	FPP-FO	31-Jan-2025	31-Jan-2025	Complete		Confirmed	
Level 2	FPP-224	Readiness Criteria available (Financial Operation)	FPP-FO	31-Jan-2025	15-Oct-2024	Complete		Confirmed	
Level 2	FPP-246	Market Trial Plan complete (Financial Operation)	FPP-FO	28-Feb-2025			Green	Confirmed	
Level 2	FPP-239	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
Level 2	FPP-240	Readiness Checkpoint (3 months) (Financial Operation)	FPP-FO	14-Mar-2025			Green	Confirmed	
Level 2	FPP-241	Industry Development Finish (Financial Operation)	FPP-FO	15-Mar-2025			Green	Tentative	
Level 2	FPP-242	Data Model (FO) available in Pre-Prod	FPP-FO	25-Mar-2025			Green	Confirmed	
Level 2	FPP-245	Data Model (FO) available in Prod	FPP-FO	29-Apr-2025			Green	Confirmed	
Level 2	FPP-226	Pre-Production Release (Financial Operation)	FPP-FO	1-Apr-2025			Green	Confirmed	Shifted from 14/3 to commence execution post DM availability
Level 1	FPP-108	Market Trial start (Financial Operation)	FPP-FO	2-Apr-2025			Green	Confirmed	Shifted from 17/3 to commence execution post DM availability
Level 2	FPP-243	Industry Go-Live Plan published - final (Financial Operation)	FPP-FO	30-Apr-2025			Green	Confirmed	
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	Confirmed	
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	Confirmed	
Level 1	FPP-106	FPP Project Go-Live / Rule Commencement	FPP-FO	8-Jun-2025			Green	Confirmed	







Enhanced Reserve Information (ERI)

Oliver Derum



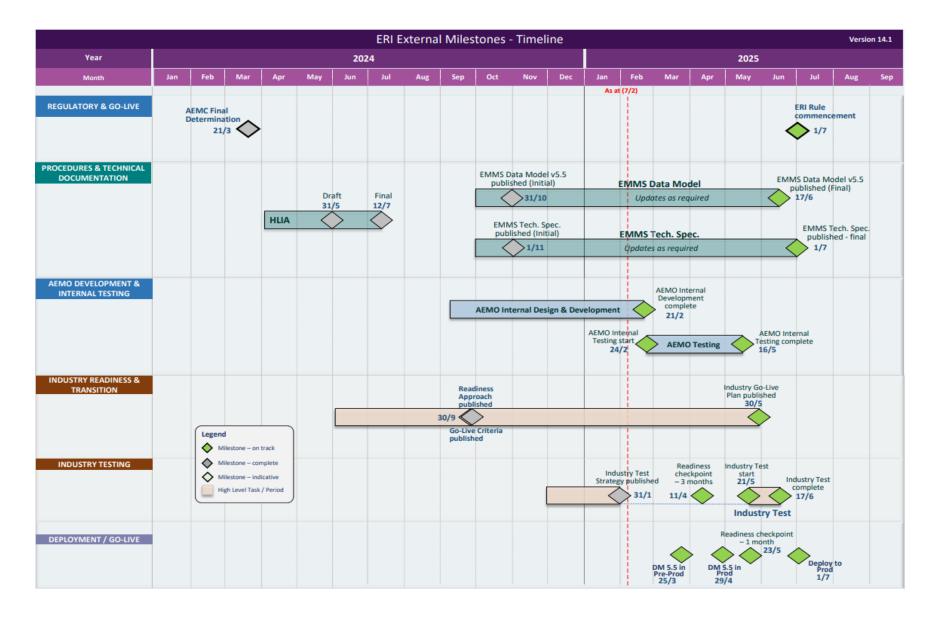
ERI February update



- EMMS 5.5 Technical Specification documentation was published 29 Jan
- Industry Test Strategy was published 31 Jan.

For further information including readiness activities and approach e.g.
 Industry Test Strategy, Industry Go-Live Plan please refer to
 the Enhanced Reserve Information page and the Final ERI and ST PASA Industry Readiness Approach.

ERI development and testing timeline





Progress Summary

Overall project status **GREEN**

- Updates to EMMS Tech Spec 5.5 published 29 Jan.
- Industry Test Strategy published 31 Jan.
- EMMS Data Model 5.5 release to Pre-production target 25 Mar.
- Industry Go-live Plan target publish date 30 May.

Note

Commencement of aggregated state of charge reporting each trading interval in Tasmania will not occur until three independently operated grid-scale batteries are present, or on 1 July 2027 at the latest. A proportional period of retesting, 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	31-Jan-2025	Complete		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		I	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	

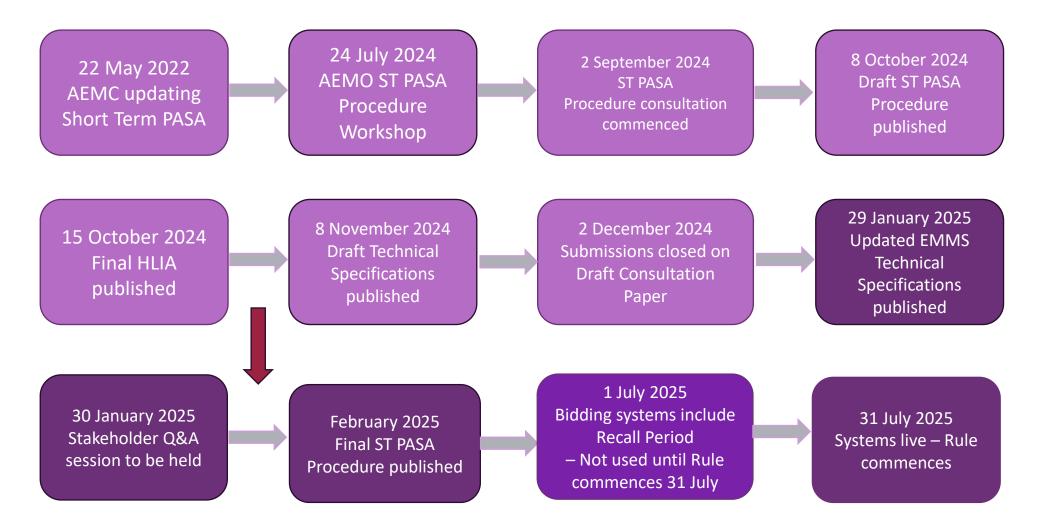




- EMMS 5.5 Technical Specification documentation was published 29 Jan.
- An Information Session was held Thursday 30 Jan.
 - AEMO has sent communications to participants with a Q&A document along with the Final Procedure for Publication doc and revised test scenarios from the Slide Pack from the Information Session to help provide clarity to stakeholders.
- For further information including readiness activities and approach e.g.
 Industry Test Strategy, Industry Go-Live Plan please refer to the <u>ST</u>
 <u>PASA Procedure and Recall page</u> and the <u>Final ERI and ST PASA</u>
 <u>Industry Readiness Approach</u>.

ST PASA Procedure Indicative High-level Timeline



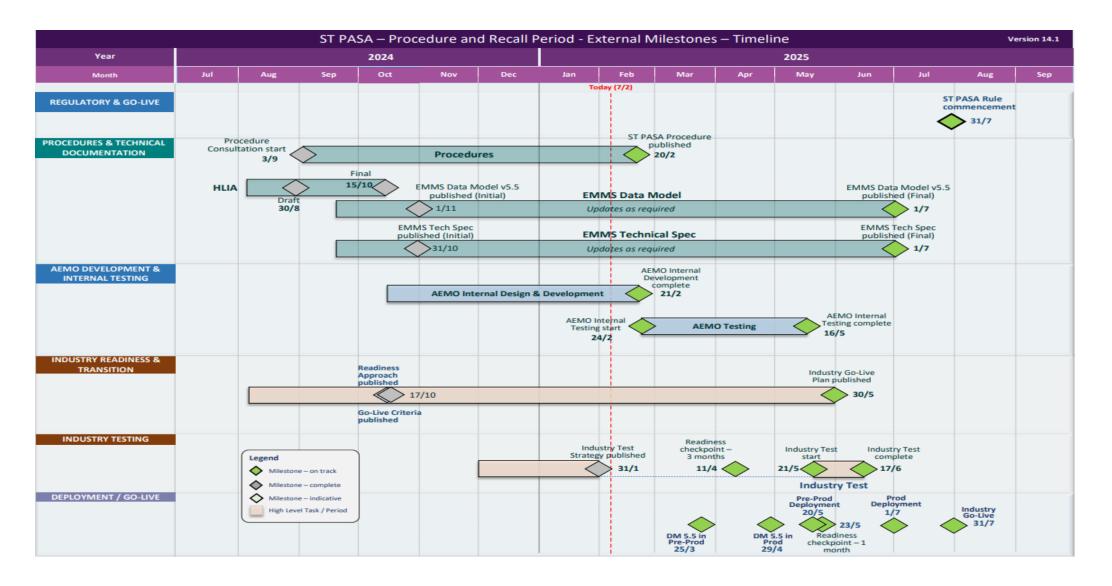


QUICK REFERENCES

- AEMO ST PASA Procedure and Recall Period webpage
- AEMC <u>Updating Short Term PASA</u>

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

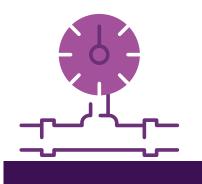






Metering Services Review (MSR)

Justin Stute / Simon Tu



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 published the issues paper for Package 2 on 10 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 is holding a pre-consultation session with MCs and DNSPs on 28 February to discuss the Procedural approach



Metering Services Review – Technical Specification

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

October 2025 aseXML updates



- The October 2025 NEM MSATS release covers numerous initiatives requiring aseXML schema changes
- These changes are across Electricity B2M, B2B, and common aseXML elements

Initiative	Туре	Schema Change?	Description
AEMO Metering	AEMC Accelerating	Yes	Procedural and technical changes for the Retail market which includes:
Services Review (MSR) Package 1	smart meter deployment Rule		Accelerated LMRP
(MSK) Fackage 1	deployment Kule		Site Defects See MSR High Level Implementation Assessment
105 070	FDCF Fight and a second	Van	See MSR High Level Implementation Assessment
ICF_078	ERCF Enhancement	Yes	Update NEM address element definitions as a result of B2M Procedures aligning with AS4590.1:2017 standard –
			Note: ICF_078 and IEC - B004/22 essentially cover the same changes, only for the different Procedural
			documents for the NEM B2M and B2B market segments.
IEC - B004/22	B2B Working Group Enhancement	Yes	Update B2B field lengths according to B2B Procedures aligning with AS4590.1:2017 standard
IEC - B002/22	B2B Working Group	Yes	Address inconsistencies field, field lengths and associated enumerations in the B2M and B2B procedures
	Enhancement		and schemas
ICF_077	ERCF Enhancement	No	Last Consumer Change Date (LCCD) auto populated in MSATS based on NMI status
Embedded Network	AEMO raised	No	Restrict CATS Change Requests updating embedded network child NMI datastreams retrospectively
Settlement			
Anomalies			
ROLR reporting	B2B Working Group	No	Discontinue obsolete ROLR reports, ROLR reports to be delivery by API or Participant File Server
	Enhancement		

aseXML version r45 and r46



- Version r45 has been earmarked for <u>Package 1 B2B Gas Retail Changes</u>:
 - o GMI IN002-22: Gas Scheduled Read Est Sub Codes and Special Read No Access Enumerations
 - GMI IN004-22: Proposed Improvements to Network Tariff B2B Notification NSW/ACT
- Version r46 has been earmarked for the October 2025 MSATS NEM release:
 - o r46 shall be required for MSR Release 1 as well as the ICFs
 - For MSR Package 1 and ICF the version (r46) must be the same for NEM B2B and B2M as the process workflows span both market segments
- Gas participants will adopt r45 in Q2 2026, **after** NEM participants adopt r46 as Gas does not want to adopt AS4590.1:2017 address aliment changes until after 2026

aseXML r46 – 26 October 2025



- r46 to be deployed to Production 26 October 2025
- From the effective date of the MSATS Procedures v7, 26 October 2025, all participants impacted by the B2M Procedural change will be required to implement r46

NEM B2M

- o r46 will become the current/latest schema for B2M transactions
- r44 will become superseded
- r43 will no longer be supported
- Moving to r46 will allow Participants to capture changes to the LMRP value set via BUT as per MSATS Procedures v7
- B2M CRs referencing <u>MSATS Procedures v7.1</u> aseXML elements prior to 1 December 2025 will fail validation in MSATS

NEM B2B

- r46 will become the current/latest schema for B2B transactions
- r43 will become superseded
- Transforms for r41 will no longer be supported
- Prior to 1 December 2025 Participants can send r46 transactions with <u>B2B Procedures v3.9</u>
 elements only if supported under bilateral agreement

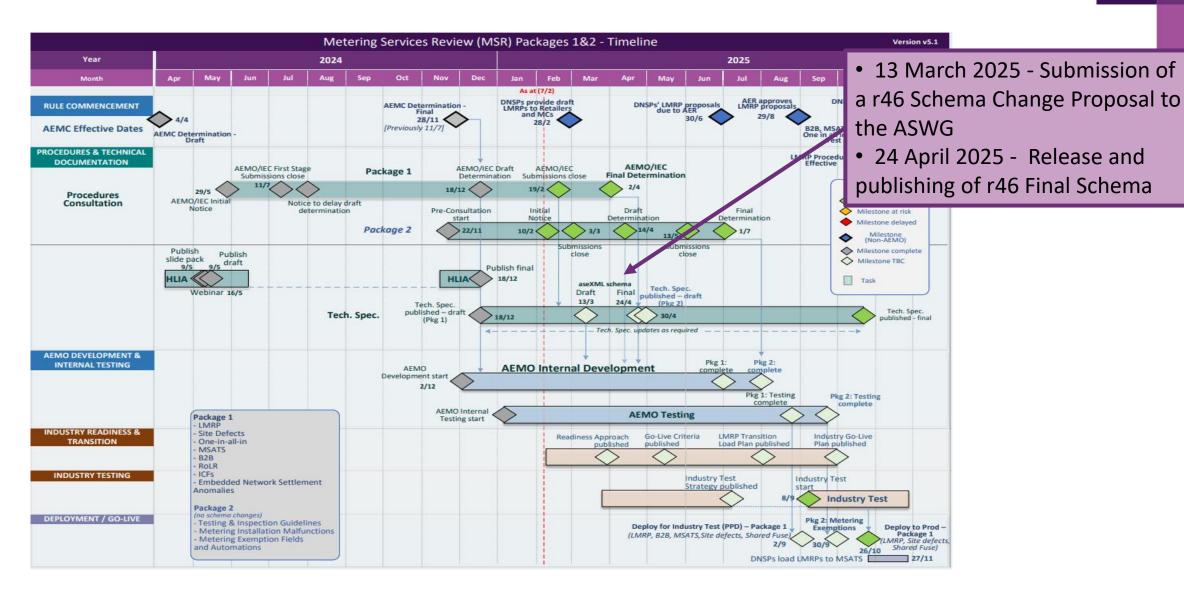
aseXML r46 – 1 December 2025



- From the effective date of the MSR Package 1 Defect and ICF changes, 1 December 2025, all participants impacted by the B2M and/or B2B Procedural change will be required to implement r46.
 - NEM B2M
 - Moving to r46 will allow Participants to meet Defects and address alignment obligations as per <u>Standing Data for MSATS v6.1</u> and <u>MSATS Procedures v7.1</u>
 - NEM B2B
 - Moving to r46 will allow Participants to meet LMRP, Defects (one in all in), address and B2B field length alignment obligations as per B2B Procedures v3.9
- For more information on aseXML transitioning, please refer to <u>Transition of aseXML</u> on the AEMO website

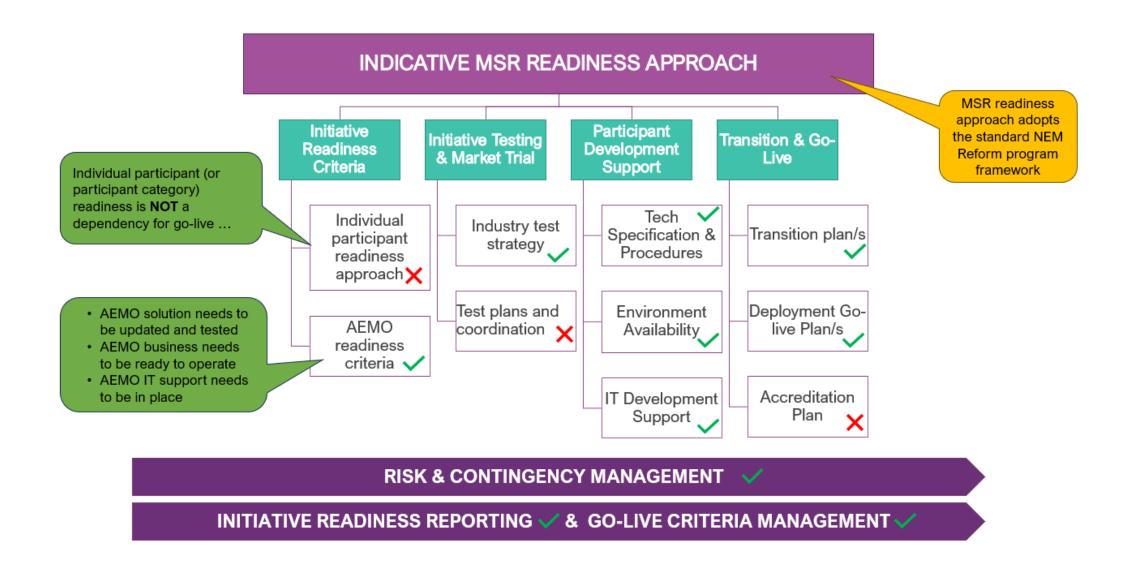
aseXML r46 Publishing Timeline





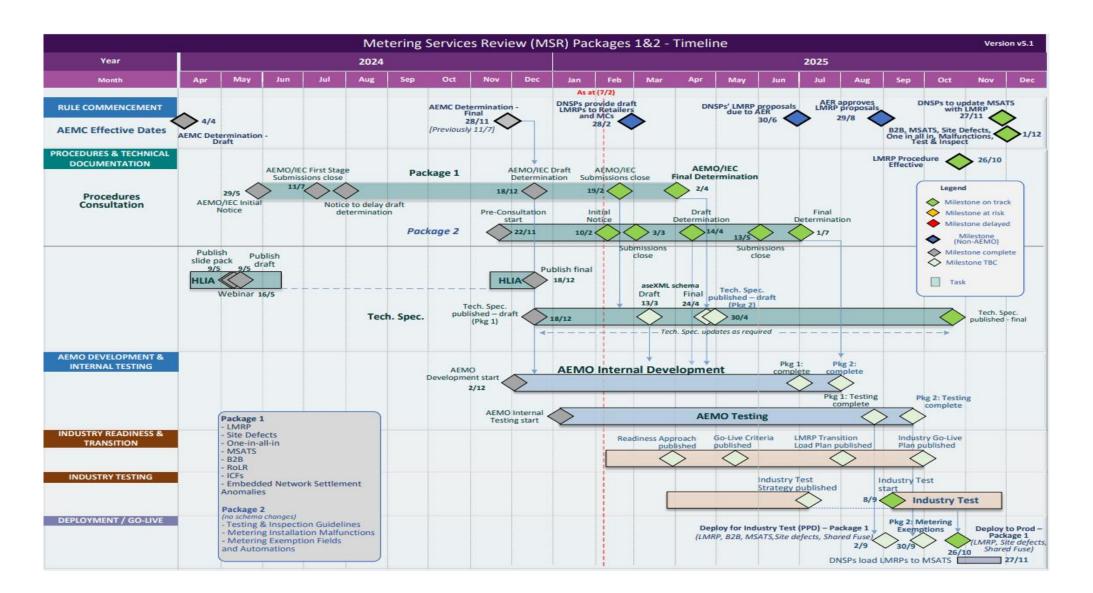


Metering Services Review – Readiness approach



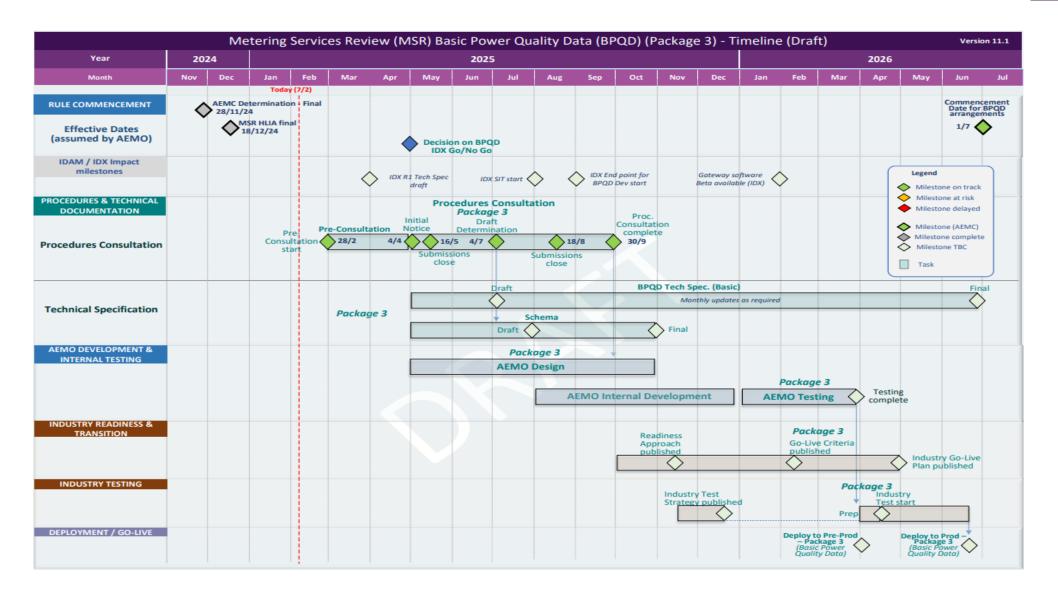
Metering Services Review Implementation Milestones





Metering Services Review Implementation Milestones







10. December 2025 Release



Improving Security Frameworks (ISF) for the Energy Transition



For Noting





Procedures and Guidelines:

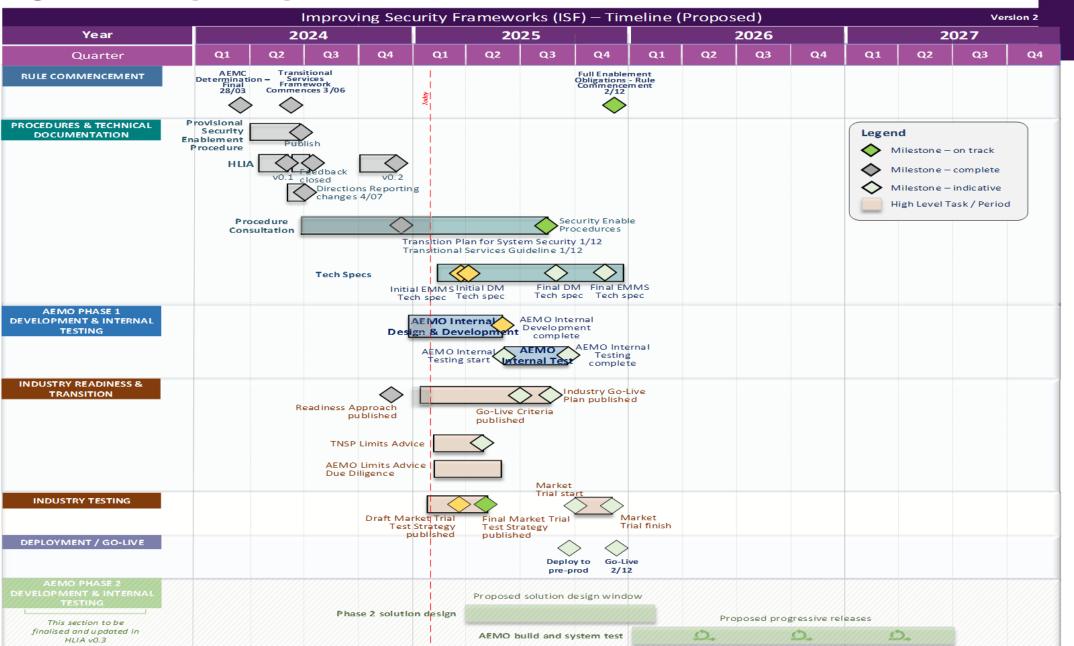
- AEMO are currently focussed on preparing for the upcoming consultation on its new Security Enablement Procedure and associated updates to existing procedures (as listed in the HLIA)
- Preview into this consultation will be provided at the March EWCF meeting.

Implementation complexity & compressed timelines:

- While external milestones are generally on track, reported risk of compressed development timeframes and delivery complexity remains. External milestones for Initial tech spec and Draft market trial strategy milestones are amber reflecting continued risk to AEMO's development of its scheduling solution and industry readiness activities for contracted providers of system security. Coordination is underway between AEMO and TNSP's to support mitigation of implementation risks.
- The overall status has shifted to red due to internal resourcing constraints/issues risking the scheduled completion of AEMO design/planning. Internal resourcing commitments have now been resolved. Replanning and prioritisation of effort in progress to recover the schedule and return to green.

ISF Timeline











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

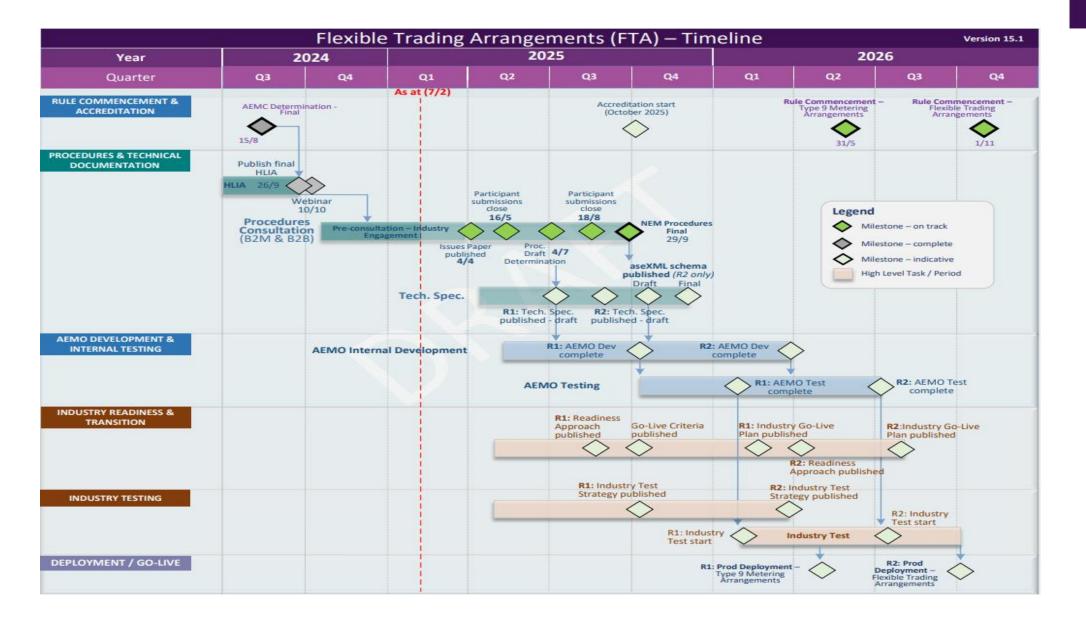


Next Steps

- 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

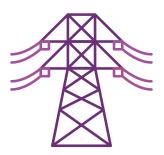




Project Energy Connect Market Integration (PEC-MI)



For Noting



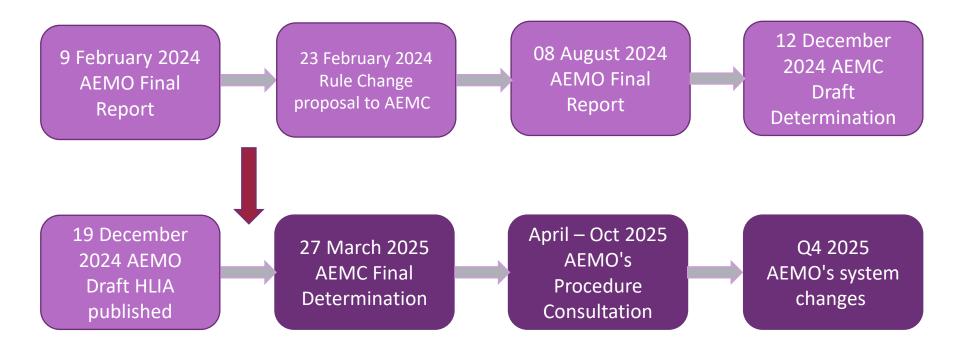




- <u>AEMO's Draft HLIA</u> was published 19 December 2024 and the opportunity to provide feedback has now closed. It set out:
 - What changes are required from the AEMC's Draft Determination and Rule
 - Integration of changes to allow the changes to allocation and distribution of IRSR and incorporation 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.
- Next steps include commencing consultation with stakeholders on negative residue management.
- Final Rule Determination by the AEMC is due at the end of March.

PEC-MI Indicative High-level Timeline





Q3 2026 PEC MI Rule commences

QUICK REFERENCES

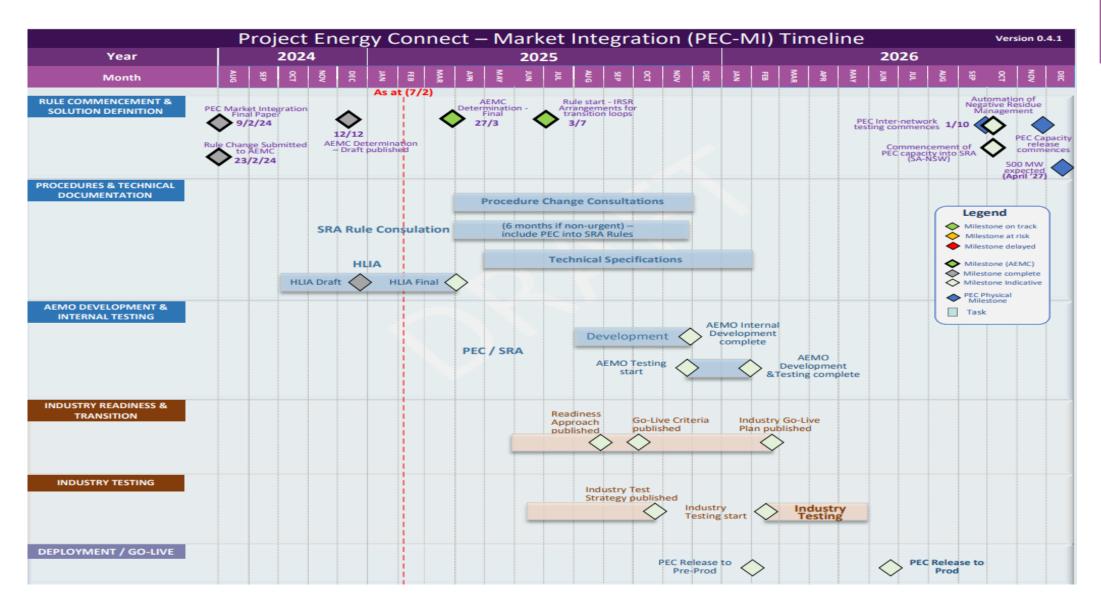
AEMO PEC-MI webpage
PEC Industry webpage
AEMC Rule Change

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)







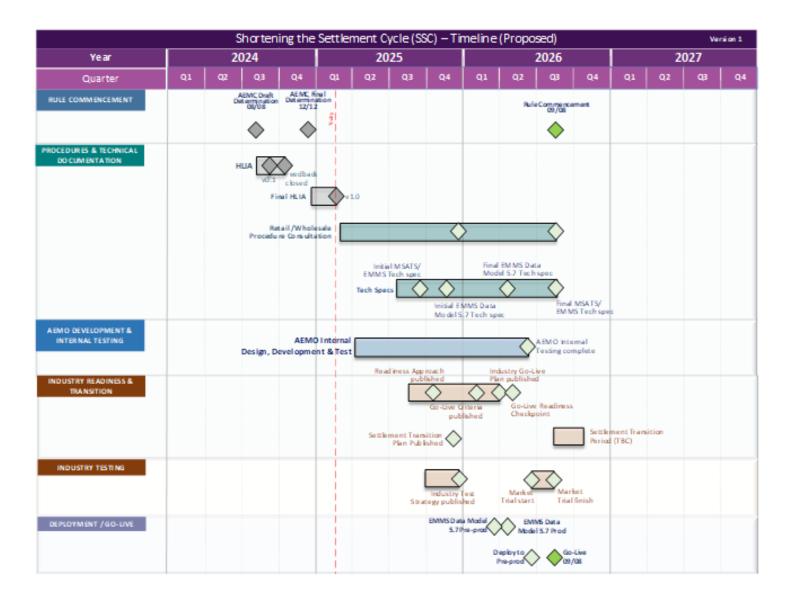
Shortening the Settlement Cycle

For Noting



SSC Timeline







Shortening the Settlement Cycle Update

- AEMC Final Rule was published on 12 December
- The HLIA was published 11 February reflecting the Final Determination pathway and participant feedback
 - The time now between a billing week and final settlement is 9 business days and includes an additional 20 day revision for metering data exceptions and market intervention settlements
 - Credit Limit Procedures consultation
- 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.

For more information visit:



nemreform@aemo.com.au







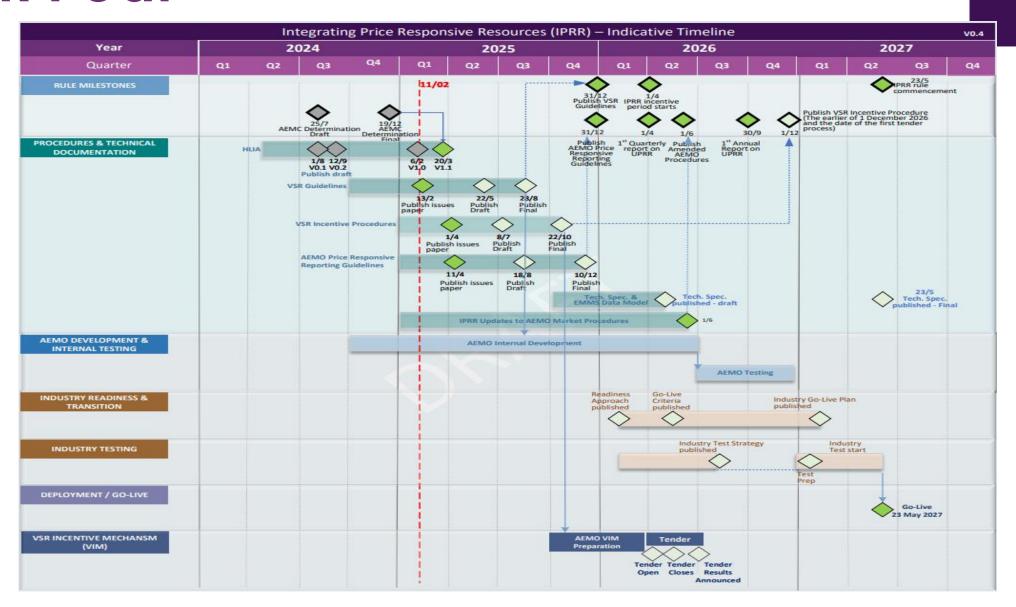
IPRR upcoming consultations

- 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/ERCF 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 IMPLEMENTATIO N 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	Thu 27 Feb
VSR GUIDELINES	Establishes the technical and operational characteristics of VSRs.	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







13. Stakeholder Engagement



Upcoming Engagements

For Noting



Upcoming Engagements



Engagement	Date	Time (AEDT)
IPRR Final HLIA Stakeholder Forum	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)	28 February	10:00am – 11:30am
Metering Services Review: Power Quality Data - Technical Focus Group	28 February	1:30pm – 3:00pm
MITE Working Group	5 March	1:00pm – 4:30pm
NEM Reform Electricity Wholesale Consultative Forum	11 March	1:00pm – 3:00pm
NEM Reform Executive Forum	13 March	10:00am – 12:00pm









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.