

# NEM Reform Implementation Forum

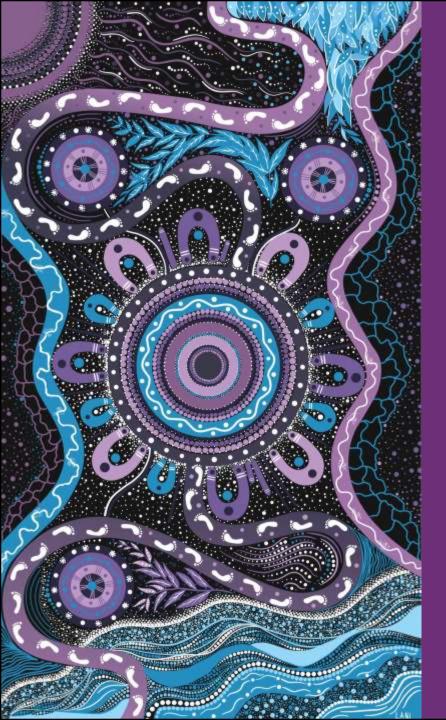
Meeting #35

17 July 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

Go Live Criteria



#	Time	Topic	Presenter	#	Time	Topic	Presenter		
1	1:00-1:05PM	Welcome	Greg Minney	8			Justin Stute		
2	1:05-1:10PM	Actions & Feedback from Previous Meeting	Greg Minney			Flexible Trading Arrangements (FTA)  • Milestone Update			
3	1:10-1:15PM	2025 /2026/2027 Release Summary	Greg Minney	9	2:10-2:30PM	July 2026 Release	Justin Stute		
4	1:15-1:20PM	<ul><li>Environment Activities &amp; Timings</li><li>Refresh timings</li></ul>	Chris Fleming			<ul> <li>Metering Services Review (MSR)</li> <li>PQD (Release 2)</li> <li>Procedure Update</li> </ul>			
5	1:20-1:35PM	<ul> <li>October 2025 Release</li> <li>Metering Services Review (MSR)</li> <li>Consultation Summary</li> </ul>	Justin Stute	10	2:30-2:40PM	IDX Foundation • Progress Update	Graeme Windley		
		<ul><li> Milestone Update</li><li> LMRP Working Group Update</li></ul>	Chris Fleming	11	2:40-2:50PM	Upcoming Initiatives Summary Updates  • Project Energy Connect Market Integration (PEC-MI)	For Noting		
6	1:35-1:45PM	<ul> <li>July 2025 Release</li> <li>Enhancing Reserve Information (ERI)</li> <li>Hypercare / debrief on go-live</li> </ul>	Jen Marin			<ul> <li>Shortened Settlement Cycles (SSC)</li> <li>Integrating Price Responsive Resources (IPRR)</li> <li>Identity and Access Management (IDAM)</li> <li>Cash Security</li> </ul>			
		<ul> <li>ST PASA Procedure and Recall Period</li> <li>Update and Summary of deployment steps</li> <li>Next steps for participants</li> </ul>		12		Stakeholder Engagement  • Upcoming Engagement	Noting		
7	1:45-1:55PM	December 2025 Release		13	2:50-2:55PM	General Questions & Other Business	Greg Minney		
		<ul><li>Improving Security Frameworks (ISF)</li><li>Update on new delivery approach</li><li>Market Trial Update</li></ul>	Rosie Elkins	Appendix A: Competition law meeting protocol and AEMO forum expectations					

Karen Wilbrink



# 2. Actions & Feedback from Previous Meeting



## **Actions**

### (Item = Meeting # - Agenda # - Reference)

Item	Topic	Action	Responsible	Status
33.11.0.1	FTA	AEMO to check the release date of the technical specifications for flexible trading arrangements FTA2 and confirm if it is still on track	AEMO	In Progress, timing to also consider SSC requirements
		and consider releasing an earlier version of the R2 technical specifications.		330 requirements

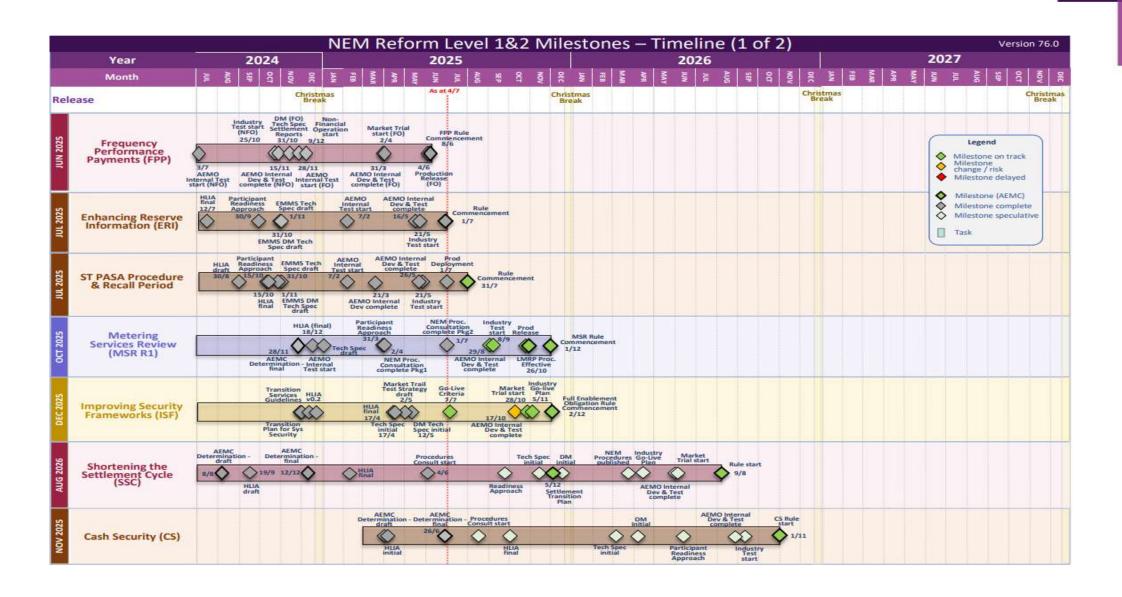
The latest meeting minutes and materials are available on the <u>Implementation Forum</u> webpage.



# 3. 2025/2026/2027 Release Summary

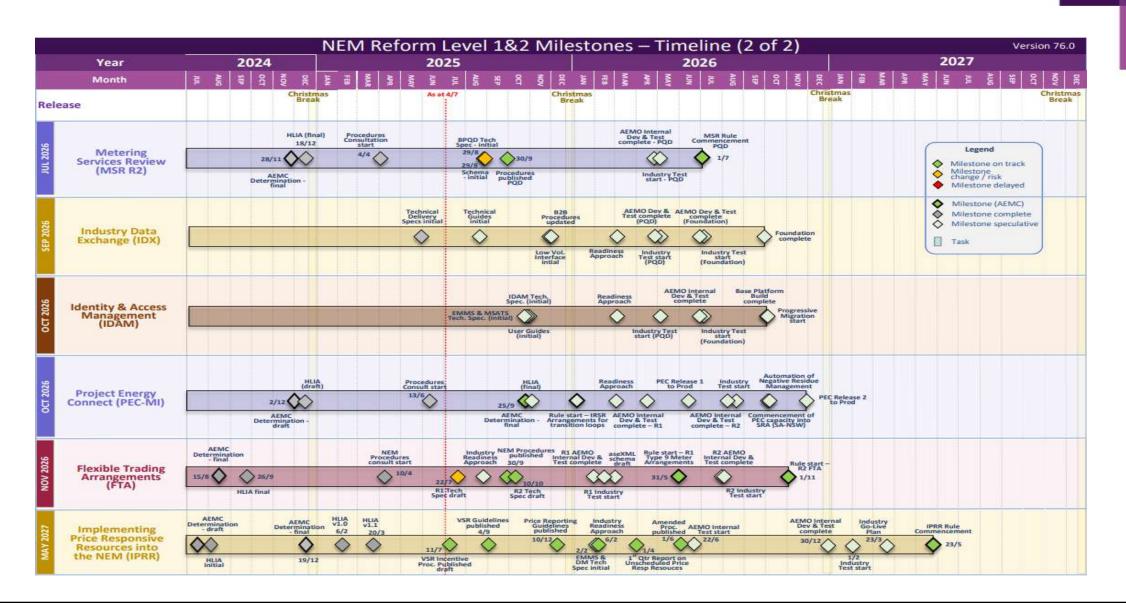
# Release Summary milestones 1/2





# Release Summary milestones 2/2







# 4. Environment Activities & Timings





### Pre-prod refresh dates and outage timings for 2025

- Next pre-prod refresh has been scheduled for mid-late Aug 2025 to support the ISF Market Trial.
  - Wholesale Pre-prod refresh to commence 15 August 2025
  - Retail Pre-prod refresh to commence 25 August 2025
  - Refreshes will be taken from Production on the morning of the refresh commencement
- Further pre-prod refreshes have been tentatively scheduled for Q1 2026 and Q2 2026 to support the FTA Release 1 Industry Test and the SSC Market Trial, respectively.

### **Data Model updates**

Data Model v5.6 to be deployed to Pre-Prod <u>14 Oct 2025</u> and deployed in production <u>19</u>
 <u>Nov 2025</u> to support the ISF project.



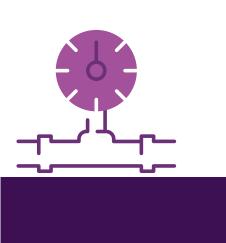






# Metering Services Review (MSR)

Justin Stute





### **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 and 2

AEMO published its <u>final report</u> for Package 1 on the 2 April 2025

Package 1 details:

- LMRP and Defect management
- RoLR
- ICFs
- Embedded Network Settlement
   Anomalies

AEMO published its <u>final report</u> for Package 2 on 1 July 2025.

Package 2 details:

- Development of an asset management strategy
- Modification to the Metering
  Installation Malfunction Exemption
  procedure and changes to the
  Metering Installation Exemption
  Guideline procedure



### **Delivery Update**

- The MSATS October Release Tech spec was published on Monday 23 June
- For the June update, the MSATS Technical Specification October 2025.docx has the following changes:
  - Adds Metering Exemption API changes
  - Updates information about CATS standing data
  - Adds RM29 SDQ query COMMS\_MTR\_WITH\_DEFECT
  - o Correction to information in Assign null value to site defect elements
  - Adds RoLR report query details and examples
  - Updates retail pre-production refresh date

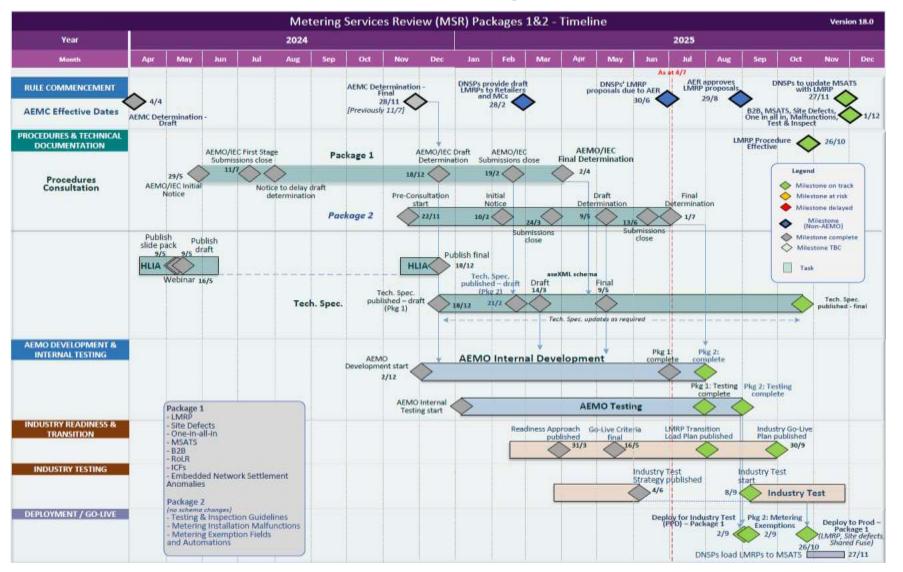




- Initial LMRP working group held to support and coordinate loading of LMRPs.
- Loading of the LMRPs is being coordinated with DNSPs for both Industry Testing and Production to schedule and manage the volume of updates in MSATS.
- Initial draft of the LMRP schedule has been socialised with DNSPs for review.
- Windows for loading LMRPs via the BUT are as follows:
  - Pre-prod 8 Sept 2025 to 29 Sept 2025
  - Production 27 Oct 2025 to 27 Nov 2025
- Communication to participants on progress of the load will be via NEMReform email, the ITWG and the LRMP Working Group.
- Progress on the loading of LMRPs in the Pre-prod and Production environments will also be communicated via the Industry Test Q&A sessions.

# Metering Services Review Implementation Milestones – Package 1 & 2





#### **Progress Summary**

Overall project status **GREEN** 

- LMRP development completed on schedule and is now in System Test.
- RoLR development also completed on schedule and is now in System Test.
- Metering Exemptions development is continuing to schedule
- Final version of Test strategy published 6/06/2025 MSR R1 Test Strategy

# Metering Services Review Implementation Milestones – Package 1 & 2



			Metering Services Review	(MSR) - Leve	1 & 2 Mile	estones	(External)		
Level	Milestone ID	Release "	Milestone	▼ Target Date	Expected Date	Status	RAG	Tentative / Confirmed ▼	Commentary
Level 2	MSR-204	Release 1	NEM Procedures Consultation - draft determination (Package 1)	18-Dec-2024	18-Dec-2024	Complete		Confirmed	
Level 2	MSR-210	Release 1	Technical Specification published (draft) (Package 1)	18-Dec-2024	18-Dec-2024	Complete		Confirmed	
Level 2	MSR-212	Release 1	AEMO Internal Testing start (Package 1)	6-Jan-2025	6-Jan-2025	Complete		Confirmed	
Level 2	MSR-231	Release 1	NEM Procedures Consultation - initial notice (Package 2)	10-Feb-2025	10-Feb-2025	Complete		Confirmed	
Level2	MSR-230	Release 1	NEM Procedures Consultation - final submissions close (Package 1)	19-Feb-2025	19-Feb-2025	Complete		Confirmed	
Level 2	MSR-235	Release 1	Technical Specification published (draft) (Package 2)	30-Apr-2025	4-Apr-2025	Complete		Confirmed	
Level 2	MSR-208	Release 1	aseXML Schema published (draft) (Package 1)	13-Mar-2025	14-Mar-2025	Complete		Confirmed	
Level 2	MSR-232	Release 1	NEM Procedures Consultation - draft submissions close (Package 2)	3-Mar-2025	24-Mar-2025	Complete		Confirmed	
Level 2	MSR-214	Release 1	Industry Readiness Approach published (Release 1)	31-Mar-2025	31-Mar-2025	Complete		Confirmed	
Level 2	MSR-206	Release 1	NEM Procedures Consultation complete (Package 1)	2-Apr-2025	2-Apr-2025	Complete		Confirmed	
Level 2	MSR-209	Release 1	aseXML Schema published (final) (Package 1)	24-Apr-2025	9-May-2025	Complete		Confirmed	Issued on 24/4. Changes requested for subsequent approval. Approved on 2/5/2025.
Level 2	MSR-233	Release 1	NEM Procedures Consultation - draft determination (Package 2)	28-Apr-2025	9-May-2025	Complete		Confirmed	Deferred to 9/5 due to parallel consultations
Level 2	MSR-215	Release 1	Industry Go-Live Criteria final (Release 1)	15-May-2025	16-May-2025	Complete		Confirmed	
Level 2	MSR-217	Release 1	Industry Test Strategy published (Release 1)	30-May-2025	6-Jun-2025	Complete		Confirmed	To incorporate industry feedback. No impact to timelines.
Level 2	MSR-234	Release 1	NEM Procedures Consultation - final submissions close (Package 2)	45821	13-Jun-2025	Complete		Confirmed	
Level 2	MSR-211	Release 1	AEMO Internal Development complete (Package 1)	30-Jun-2025	30-Jun-2025	Complete		Confirmed	
Level 2	MSR-207	Release 1	NEM Procedures Consultation complete (Package 2)	1-Jul-2025	1-Jul-2025	Complete		Confirmed	
Level 2	MSR-213	Release 1	AEMO Internal Development and Test complete (Package 1)	31-Jul-2025			Green	Confirmed	
Level 2	MSR-237	Release 1	AEMO Internal Development complete (Package 2)	31-Jul-2025			Green	Confirmed	
Level 2	MSR-239	Release 1	LMRP Transition Load Plan published	1-Aug-2025			Green	Confirmed	
Level 2	MSR-230	Release 1	Industry Test Plan published (Release 1)	11-Aug-2025			Green	Confirmed	Confirmed that a coordinated Industry Test will be performed
Level 2	MSR-238	Release 1	AEMO Internal Development and Test complete (Package 2)	29-Aug-2025			Green	Confirmed	
Level 2	MSR-216	Release 1	Industry Go-Live Plan published (Release 1)	30-Sep-2025			Green	Confirmed	
Level 2	MSR-240	Release 1	Deploy to Pre-Production for Industry Testing (Package 1)	2-Sep-2025			Green	Confirmed	
Level 2	MSR-218	Release 1	Industry Testing Commence (Package 1)	8-Sep-2025			Green	Confirmed	
Level 2	MSR-241	Release 1	Deploy to Pre-Production for Industry Testing (Package 2)	2-Sep-2025			Green	Confirmed	
Level 2	MSR-236	Release 1	Technical Specification published (final) (Package 1)	26-Oct-2025			Green	Confirmed	
Level 1	MSR-103	Release 1	Deploy to Production (Package1)	26-Oct-2025			Green	Confirmed	
Level 1	MSR-104	Release 1	Rule Commencement (Package 1)	1-Dec-2025			Green	Confirmed	







# Enhancing Reserve Information (ERI)

Jen Marin







Project has been delivered, currently in Hypercare.

- Final ERI & ST PASA Recall Period Industry Go-Live Plan is available on project webpage
- 1 July 2025 ERI Rule Commencement.
- 31 July 2025 ST PASA Rule Commencement.

### Participant support is available as follows:

- For participant questions or support in relation to system changes, please contact via the AEMO Support hub <u>support.hub@aemo.com.au</u> or 1300 236 600 noting that the query is in relation to ERI or ST PASA Procedure and Recall Period initiative.
- For more information about the ERI initiative, please visit the <a href="Enhancing Reserve Information">Enhancing Reserve Information</a> webpage.



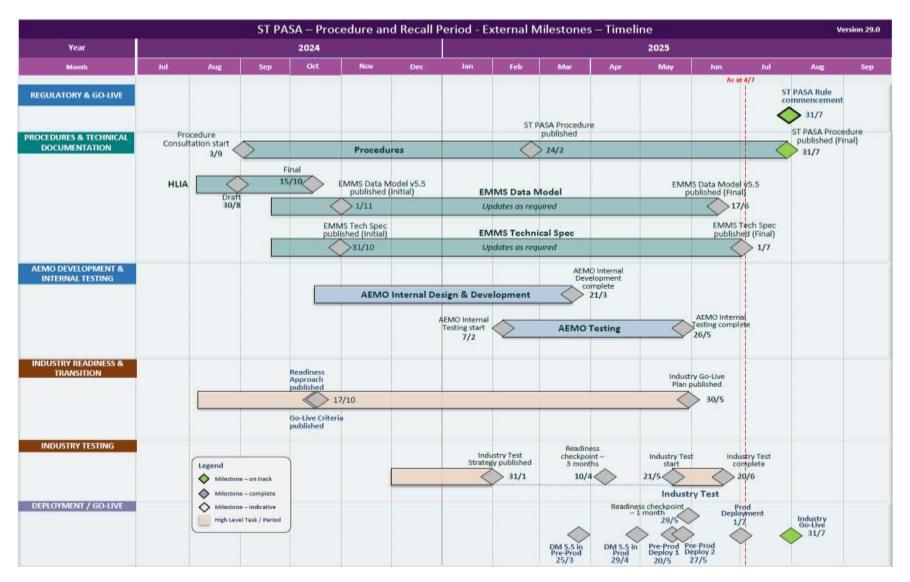
# ST PASA Procedure & Recall Period

Jen Marin



# ST PASA Procedure & Recall Period development and testing timeline







# ST PASA Procedure & Recall Period update

### Overall project status is GREEN

- Industry testing completed 20 June with 7 issues/defects raised all closed.
- 1 July 2025 ST PASA Recall Period bidding system changes deployed
- 1 July 31 July 2025 Participants to review all energy bids for trading days on or after 31 July
- 16 July 2025 Additional step added to the Deployment process
  - The updated NEM\_BIDS, BIDOFFERFILETRK and BID\_MNSP files (private bid files) will go into Production on **16 July 2025** to allow participants to view their own bids (which will include the new Recall\_Period) via the Participant Data Model database tables BIDOFFERPERIOD and MNSP\_BIDOFFERPERIOD.
- 31 July 2025 Updating ST PASA rule commencement ST PASA Procedure Effective date and new NEM Reports released

For further information including readiness activities and approach e.g. Industry Test Strategy, Industry Go-Live Plan, Q&A's and more, please refer to the ST PASA Procedure and Recall page and the Final ERI and ST PASA Industry Readiness Approach.

### **Project Timeline**



### **Industry Test**

25 March 2025

**EMMS Data** Model 5.5 release to Pre-Production

•Impacted Participants can upgrade their systems to EMMS Data Model v5.5.

#### **Production**

29 April 2025 EMMS Data Model 5.5 release to Production

26 March - 27 May 2025

Bid PASA Availability is defined as within a 24-hour recall period

1 May - 31 July 2025

Bid PASA Availability

is defined as within a

24-hour recall period

21 May 2025

ERI and ST PASA Recall Period changes will be available

• Existing reports assumes all bid PASA Availability is within 24-hour recall, regardless of actual bid Recall Period

**ERI Rule** 

ERI and ST PASA Recall Period changes will be deployed.

21 May - 27 May 2025

Participants to review all energy bids for trading dates on or after 27 May

• Participants update current and post go-live trading day energy bids to reflect the new ST PASA Rule and Procedure for Recall Period

•AEMO to publish NEM Reports

27 May 2025

ST PASA Rule

effective date in

Pre-production

1 July 2025

Commencement date

DM 5.5 tables publishing for ERI 2 July - 31 July 2025

Participants to review all energy bids for trading dates on or after 31 July

31 July 2025

**ST PASA Rule** Commencement date

**NEM Reports** published for ST PASA

## ST PASA Recall Period Milestones



	ST PASA Recall Period - Level 1 & 2 Milestones (External)							
Level	Milestone ID	Milestone	Target Date	Expected Date	Status	RAG	Tentative / Confirmed ▼	Commentary
Level 2	STP-201	HLIA published - draft	30-Aug-2024	30-Aug-2024	Complete		Confirmed	includes indicative readiness approach
Level 2	STP-203	Procedure Consultation start	2-Sep-2024	2-Sep-2024	Complete		Confirmed	
Level 2	STP-202	HLIA published - final	15-Oct-2024	17-Oct-2024	Complete		Confirmed	
Level 2	STP-206	Industry Readiness Approach published	15-Oct-2024	17-Oct-2024	Complete		Confirmed	
Level 2	STP-207	Industry Go-Live Criteria published	15-Oct-2024	17-Oct-2024	Complete		Confirmed	
Level 2	STP-204	EMMS Data Model v5.5 published - initial	31-Oct-2024	1-Nov-2024	Complete		Confirmed	
Level 2	STP-205	EMMS Technical Spec published - initial	8-Nov-2024	31-Oct-2024	Complete		Confirmed	update published 29/1
Level 2	STP-210	Industry Test Strategy published	31-Jan-2025	31-Jan-2025	Complete		Confirmed	
Level 2	STP-209	AEMO Internal Testing start	24-Feb-2025	7-Feb-2025	Complete		Confirmed	
Level 2	STP-212	ST PASA Procedure published	24-Feb-2025	24-Feb-2025	Complete		Confirmed	
Level 2	STP-208	AEMO Internal Development complete	21-Feb-2025	21-Mar-2025	Complete		Confirmed	Late changes in NEM Report requirements has pushed development completion to 20 March 2025. No participant or timeline impact.
Level 2	STP-211	EMMS Data Model v5.5 deployed to Pre-Production	25-Mar-2025	25-Mar-2025	Complete		Confirmed	
Level 2	STP-213	Readiness checkpoint - 3 months	11-Apr-2025	10-Apr-2025	Complete		Confirmed	
Level 2	STP-214	EMMS Data Model v5.5 deployed to Production	29-Apr-2025	29-Apr-2025	Complete		Confirmed	
Level 2	STP-215	Pre-Production deployment complete 1	20-May-2025	20-May-2025	Complete		Confirmed	
Level 1	STP-102	Industry Test start	21-May-2025	21-May-2025	Complete		Confirmed	
Level 1	STP-101	AEMO Development & Internal Testing complete	16-May-2025	27-May-2025	Complete		Confirmed	AEMO UAT extended to 26/5. No impact to Industry Testing scenarios as planned.
Level 2	STP-221	Pre-Production deployment complete 2	27-May-2025	27-May-2025	Complete		Confirmed	
Level 2	STP-216	Industry Go-Live Plan published	30-May-2025	30-May-2025	Complete		Confirmed	
Level 2	STP-218	Readiness checkpoint - 1 month	5-Jun-2025	29-May-2025	Complete		Confirmed	
Level 2	STP-217	Industry Test complete	17-Jun-2025	20-Jun-2025	Complete		Confirmed	
Level 2	STP-219	EMMS Data Model v5.5 published - final	17-Jun-2025	17-Jun-2025	Complete		Confirmed	
Level 2	STP-220	EMMS Technical Spec published - final	1-Jul-2025	1-Jul-2025	Complete		Confirmed	
Level 1	STP-103	Production Deployment complete	1-Jul-2025	1-Jul-2025	Complete		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	



# 7. December 2025 Release



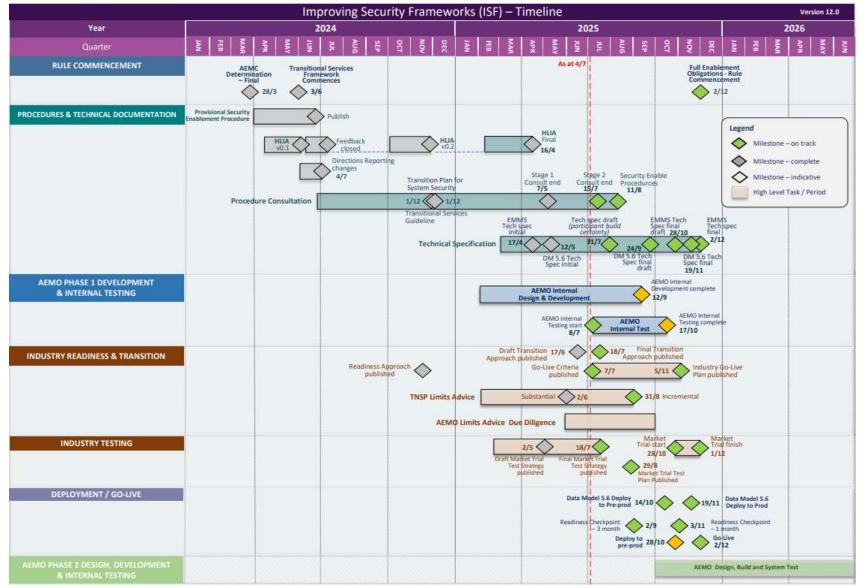
# Improving Security Frameworks (ISF) for the Energy Transition



Rosie Elkins

## Improving Security Frameworks Timeline





#### **Progress Summary**

Overall project status **AMBER** 

- Identified dependencies for development of the scheduling system solution are at a high risk of impacting critical path.
- AEMO has revised the internal scope and delivery timeframes to mitigate the risks of compressed delivery timeframes, prioritising the delivery of scheduling system components for 2 December that Participants and TNSPs interface with, and ensuring business processes are in place (within AEMO) to manage a post-December delivery of remaining solution components. A compressed delivery timeline will remain.
- Internal end-to-end testing commenced on time 8 July.
- EMMS Technical Specification draft on track for publishing 14 July.
- DM 5.6 Technical Specification draft and 'ready for participant build' on track for publishing 21 July.
- <u>Several documents</u> available to support industry preparation with more to come as initiative progresses
- The AEMO-SSSP working group activities continue alongside the project activities

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## ISF General Update



### Procedure consultation update

AEMO commenced the second-round consultation on the **Security Enablement Procedure** on 13 June, with submissions closing on 15 July. AEMO held a **stakeholder briefing session on 25 June**. A couple of submissions received.

Publication of the next stage of the **Constraint Formulation Guidelines** consultation is delayed to **14 August** to work through some additional analysis in response to submissions. An extension notice with further detail to be published shortly.

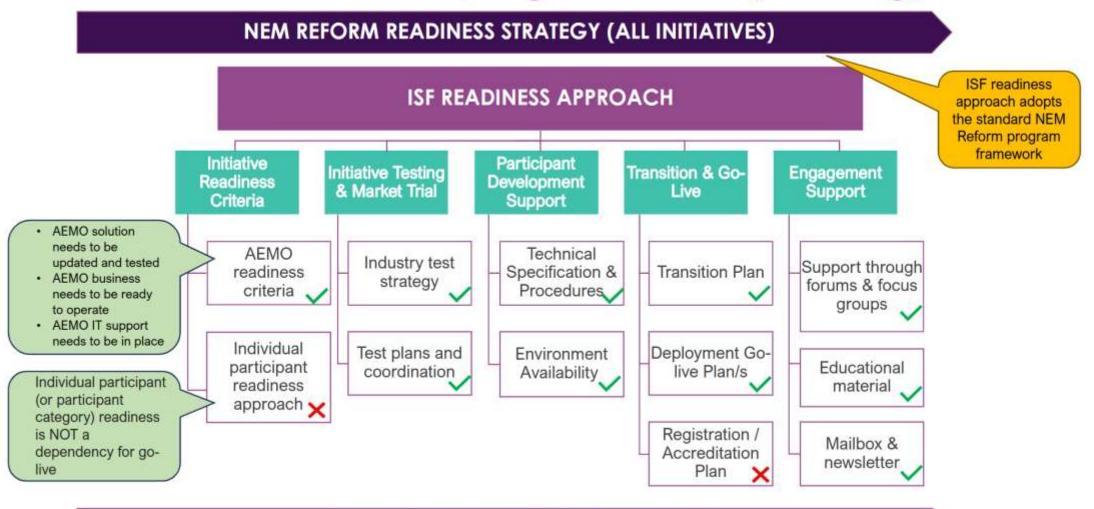
### Revised delivery approach to manage enablement solution delivery risks with a focus on delivery of participantfacing components of the solution

- Phase 1 Release 1 system-initiated manual enablement, automated back-end processing and reporting by 2 Dec 2025
- Phase 1 Release 1.1 automated payments and scheduling by 30 June 2026
- Phase 2 enhancements to functionality and optimisation (TBC)
- AEMO is working to ensure required internal business processes are in place to support system security enablement functions from the go-live date of 2 December 2025.
- Initial limits advice has been received: link

Recent publications



### Context: NEM Reform program industry strategy



RISK & CONTINGENCY MANAGEMENT 🗸

INITIATIVE READINESS REPORTING 🗸 & GO-LIVE CRITERIA MANAGEMENT 🤍



## ISF Phase 1/Release 1 Go-live criteria update



INITIATIVE:	ISF 02 Dec 2024 Release Improving Security Frameworks  • System-initiated manual enablement					
	GO-LIVE CRITERIA					
AEMO READINESS	<ul> <li>AEMO technology and systems tested in-line with requirements for participant ability to:</li> <li>Access the Security Service Management (SSM) User Interface</li> <li>View/submit/maintain unit availability and other operational information via the User Interface and/or API</li> <li>View and respond to enablement instructions and amendments via the User Interface and consume enablement instructions via the Participant Data Replication Tool or API</li> <li>TNSP ability to receive information required to enable contract settlement and visibility of daily reporting</li> </ul>					
	AEMO business operations and processes in place:  • To support ISF operations and Service Provider transition					
	AEMO digital teams ready to: • Support ISF operations					
PARTICIPANT READINESS	Provider and TNSP readiness is not a dependency for go-live.  However, AEMO encourages impacted participants to make timely system/process changes in readiness for 2 Dec 2025.  AEMO is seeking the following be submitted to AEMO in the required timeframes to facilitate security enablement:  • Security Service Contracts to AEMO from 1 Sept 2025 to assess for conditional approval prior to Market Trial. Noting, AEMO will not commence enablement of a contract until participant enablement capability has been demonstrated and approved by AEMO.  • Operational or limits advice on contribution to system security requirements by 2 June 2025 (substantive updates) and 31 August 2025 (incremental updates to existing limits advice)					
CONTINGENCY	Contingency approaches developed during implementation					







# Flexible Trading Arrangements (FTA)

Justin Stute



# 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
  - 11 April 2025 Issues Paper published



# **Next Steps**

#### **Consultation dates**

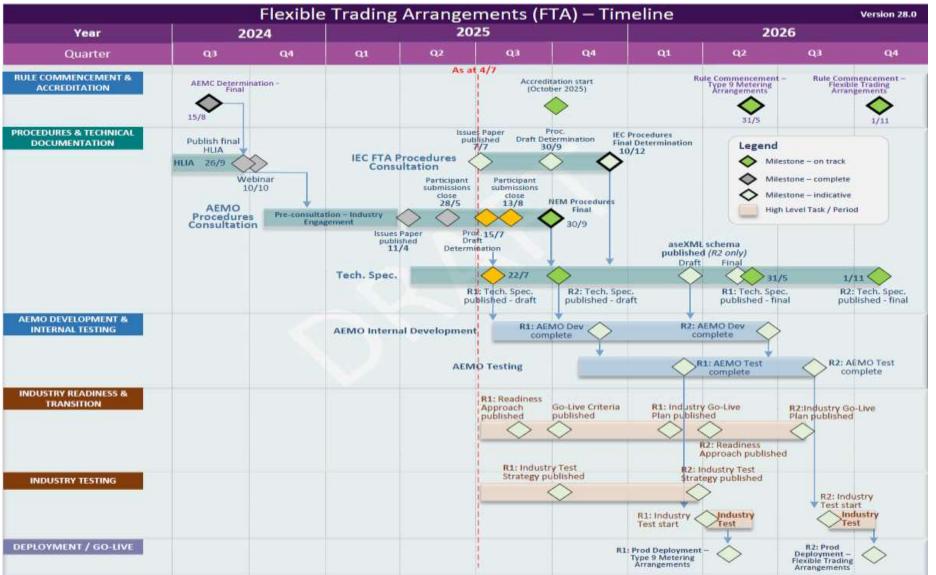
- 28 May 2025: Responses to Issues Paper
- W/E 15 July 2025: Expected Draft Report published
- 13 August 2025: Responses to Draft Report
- 30 September 2025: Final Determination

#### **Rule Effective Dates**

- 31 May 2026 for Type 9 metering installations
- 1 November 2026 for remainder of the reform

# Flexible Trading Arrangements





#### **Progress Summary**

Overall project status **GREEN** 

- Business & Functional Requirements for FTA Release 1 are complete.
- Initial draft of MSATS tech spec for R1 scheduled for 22/07 (dependent on the Procedure Draft Determination).
- aseXML changes for Release 2 are being assessed via the ERCF/ B2B Working Group
- FTA Release 1 Readiness approach to be finalised on 21/08.





# Metering Services Review (MSR) – Release 2)



Justin Stute





### Metering Services Review – Package 3 (cont.)

- AEMO published the draft determination on paper for <u>Package 3</u> on 20 June.
- AEMO to publish the final report on 30 September.

#### Package 3 details:

- A new procedure for the delivery of Basic Power Quality Data from the Metering Coordinator to the DNSP
- Amendments to the Guide to the Role of the Metering Coordinator and Glossary and Framework Procedure.
- Effective date of the reform begins 1 July 2026

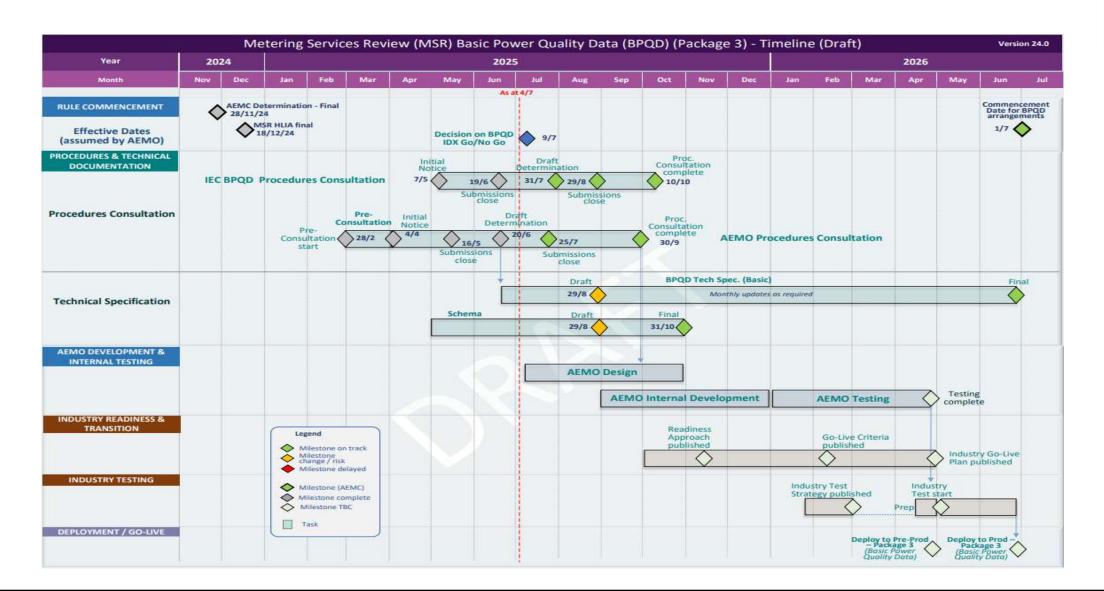


### Metering Services Review – Package 3

- AEMO has run 4 PQD Technical Focus groups to date
- Recommendations by the group:
  - PQD Payload:
    - Support Basic PQD + Extended-parameter Advanced PQD (harmonics, flicker, neutral currents); exclude subsecond High-Res Advanced PQD.
    - IDX supported JSON payload, extensible for parameters outside of the rules defined volts, current, and phase angle.
  - Exchange framework via IDX using the Fire-and-Forget pattern.
- Items Out for Industry Feedback
  - Preferred JSON schema out of three option.
  - · Channel, API vs LargeFile.

# Metering Services Review Implementation Milestones - Package 3 basic Power Quality Data





## Metering Services Review Implementation Milestones – Package 3



Metering Services Review (MSR) - Level 1 & 2 Milestones (External)										
Level	Milestone ID	Release "	Milestone	Target Date	Expected Date	Status	RAG	Tentative / Confirmed ▼	Commentary	
Level 2	MSR-242	Release 2	AEMO Procedures Consultation - pre-consultation start (Package 3)	28-Feb-2025	28-Feb-2025	Complete		Confirmed		
Level 2	MSR-242	Release 2	AEMO Procedures Consultation - initial notice (Package 3)	4-Apr-2025	4-Apr-2025	Complete		Confirmed		
Level 2	MSR-253	Release 2	IEC BPQD Consultation - issues paper published (Package 3)	7-May-2025	7-May-2025	Complete		Confirmed		
Level 2	MSR-244	Release 2	AEMO Procedures Consultation - submissions close 1 (Package 3)	16-May-2025	16-May-2025	Complete		Confirmed		
Level 2	MSR-249	Release 2	IEC BPQD Consultation - submissions close 1 (Package 3)	19-Jun-2025	19-Jun-2025	Complete		Confirmed		
Level 2	MSR-245	Release 2	AEMO Procedures Consultation - draft determination (Package 3)	20-Jun-2025	20-Jun-2025	Complete		Confirmed		
Level 2	MSR-246	Release 2	AEMO Procedures Consultation - submissions close 2 (Package 3)	25-Jul-2025			Green	Confirmed		
Level 2	MSR-220	Release 2	BPQD Technical Specification (Basic) published draft (Package 3)	31-Jul-2025	29-Aug-2025		Amber	Confirmed	Date confirmed for end Aug 2025	
Level 2	MSR-250	Release 2	IEC BPQD Consultation - draft determination (Package 3)	31-Jul-2025			Green	Confirmed		
Level 2	MSR-222	Release 2	BPQD Schema published - draft (Package 3)	31-Jul-2025	29-Aug-2025		Amber	Confirmed	Date confirmed for end Aug 2025	
Level 2	MSR-251	Release 2	IEC BPQD Consultation - submissions close 2 (Package 3)	29-Aug-2025			Green	Tentative		
Level 2	MSR-219	Release 2	AEMO Procedures Consultation complete (Package 3)	30-Sep-2025			Green	Confirmed		
Level 2	MSR-252	Release 2	IEC BPQD Consultation complete (Package 3)	10-Oct-2025			Green	Confirmed		
Level 2	MSR-247	Release 2	BPQD Schema published - final (Package 3)	31-Oct-2025			Green	Confirmed		
Level 2	MSR-221	Release 2	BPQD Technical Specification (Basic) published final (Package 3)	30-Jun-2026			Green	Confirmed		
Level 2	MSR-223	Release 2	AEMO Internal Development complete (Package 3)	31-Dec-2025			Green	Tentative		
Level 2	MSR-224	Release 2	AEMO Internal Testing start (Package 3)	2-Jan-2026			Green	Tentative		
Level 2	MSR-225	Release 2	AEMO Internal Development & Testing complete (Package 3)	30-Apr-2026			Green	Tentative		
Level 2	MSR-226	Release 2	Industry Readiness Approach published (Package 3)	14-Nov-2025			Green	Tentative		
Level 2	MSR-227	Release 2	Industry Go-Live Criteria published (Package 3)	13-Feb-2026			Green	Tentative		
Level 2	MSR-228	Release 2	Industry Go-Live Plan published (Package 3)	30-Apr-2026			Green	Tentative		
Level 2	MSR-229	Release 2	Industry Test Strategy published (Package 3)	1-Mar-2026			Green	Tentative		
Level 1	MSR-105	Release 2	Industry Test start (Package 3)	4-May-2026			Green	Tentative		
Level 1	MSR-106	Release 2	Deploy to Production (Package 3) (Power Quality Data)	30-Jun-2026			Green	Tentative		
Level 1	MSR-107	Release 2	Rule Commencement - PQD Arrangements (Package 3)	1-Jul-2026			Green	Tentative		



9. Identity Data Exchange Foundation (IDX)

# Progress update



#### **Key updates:**

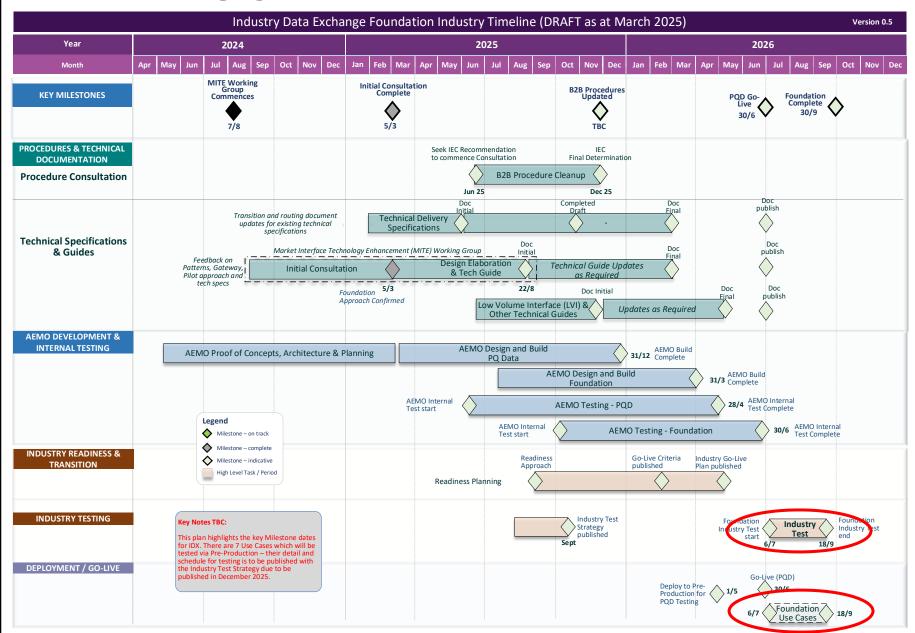
- Overall Project status is Red.
- IDX has moved into red status, due to a blocking issue in commercial negotiations with one of the potential vendor contracts.

  Actions are underway to resolve the situation, and IDX expects this to be resolved by August PCF. Currently this is not impacting project implementation timelines.
- The dependency on IDAM to support the July 2026 BPQD Release has been removed. IDX is working through options for participants impacted by BPQD and will discuss via the MITE WG when ready.
- Detailed Design work is expected to continue through to Q4 2025 and Delivery throughout the remainder of 2025 and into 2026.
- IDX Tech Spec discussed with MITE WG on 24 June, feedback received has been incorporated.

#### **Key dates:**

- IDX Technical Delivery Specification: Initial Release 30 May (to MITE WG)
- IDX Technical Delivery Specification: Secondary Release Date TBC (likely October 2025)
- Foundation Capability Testing in Pre-Production is to be aligned with IDAM Foundation Testing
  - The anticipated date (as per the IDAM report) is from October 2026.
- The target for IDX remains to deliver any/all new service requirements from 2026:
  - · Confirmed: PQ data (MSR);
  - Potential: CER DX; DER Service within WEM Project Jupiter (both 2027 earliest).

### IDX PoaP





#### Plan Update

- Update: The final draft for the Tech Spec is due by the end of October 2025, reflected here.
- Noting: As per the IDAM project detail, the Foundation Use Case testing will need to align with IDAM project delivery. The anticipated Foundation go-live (TBC) is currently October 2026, to be firmed up with IDAM planning.





# Project Energy Connect Market Integration (PEC-MI)



For Noting



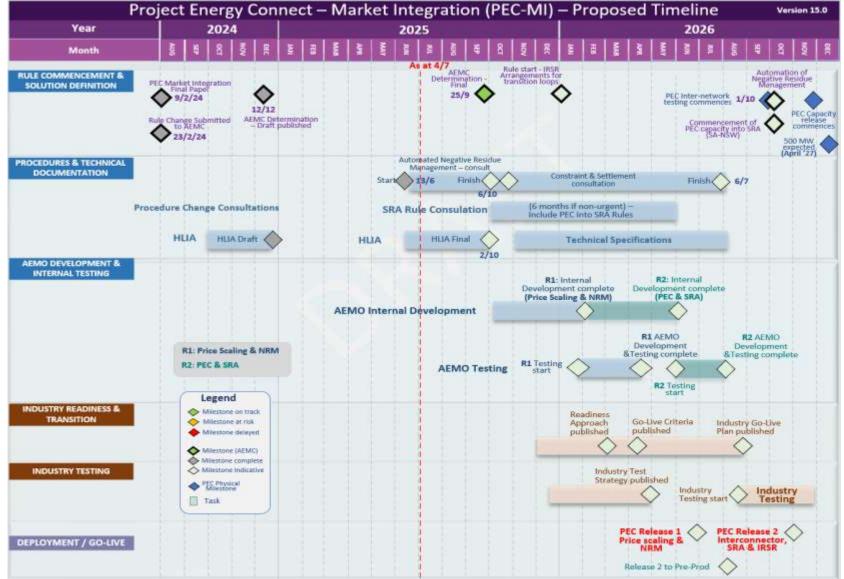




- Due to the delay in the AEMC rule change for <u>IRSR arrangements for a transmission loop</u>, AEMO will undertake the project in 2 phases:
  - 1. **Dispatch** AEMO commenced consultation on the <u>Automation of Negative</u> <u>Residue Management</u> on 13 June 2025, focused on the process of managing negative inter-regional settlement residues (IRSR) around the loop. Submissions due 11 July 2025.
  - 2. Settlements AEMC published options paper on 19 June 2025 focused on allocation of negative settlements residues. Submissions due 10 July 2025.
    - AEMO to commence settlement changes in September 2025 once Final Determination is published on 25 September.
- Construction is due to be completed in October 2026, and AEMO's systems will be cut-over to PEC stage 2 once internetwork testing has commenced.
- Refer to the <u>draft HLIA</u> for more information

### Project Energy Connect Market Integration (PEC-MI)





**Progress Summary** 

Overall project status Green



# Shortening the Settlement Cycle

For Noting



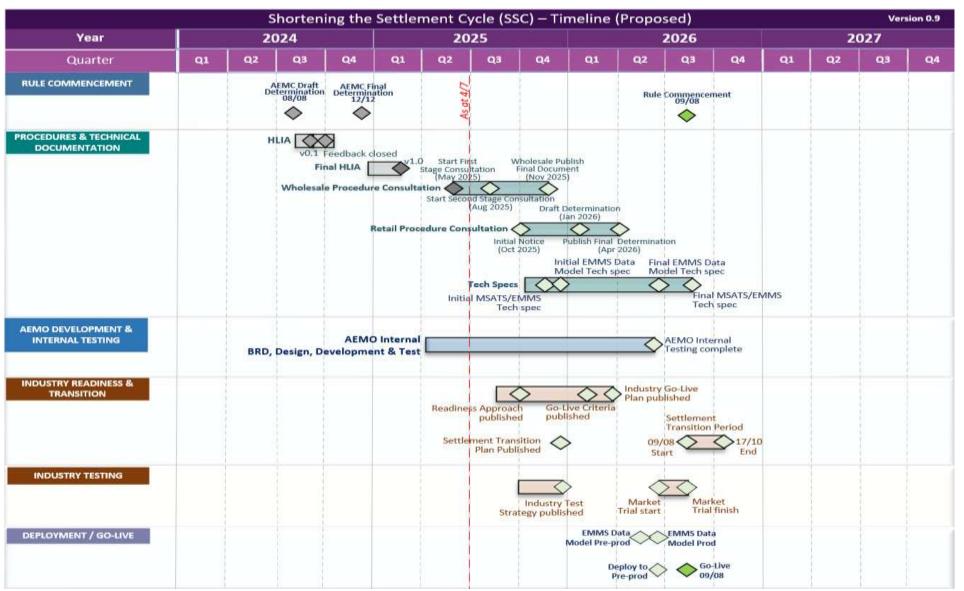


## Shortening the Settlement Cycle Update

- AEMC Final Rule was published on 12 December 2024
- The <u>Final HLIA</u> was published 12 February 2025 reflecting the Final Determination pathway and participant feedback
- Wholesale procedure consultations have commenced starting with the Credit Limit Procedures (CLP)
  - o CLP initial consultation paper was published on 4 June 2025, submissions due 21 July
  - CLP draft procedure to be published alongside draft report expected 25 August 2025
  - NEM Settlement Estimates Policy expected to be published end of July 2025
- Indicative commencement of retail procedure consultations from Oct 2025
- The Final Rule will take effect 9 August 2026 with the transition to the shorter settlement cycle 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

### **SSC Timeline**







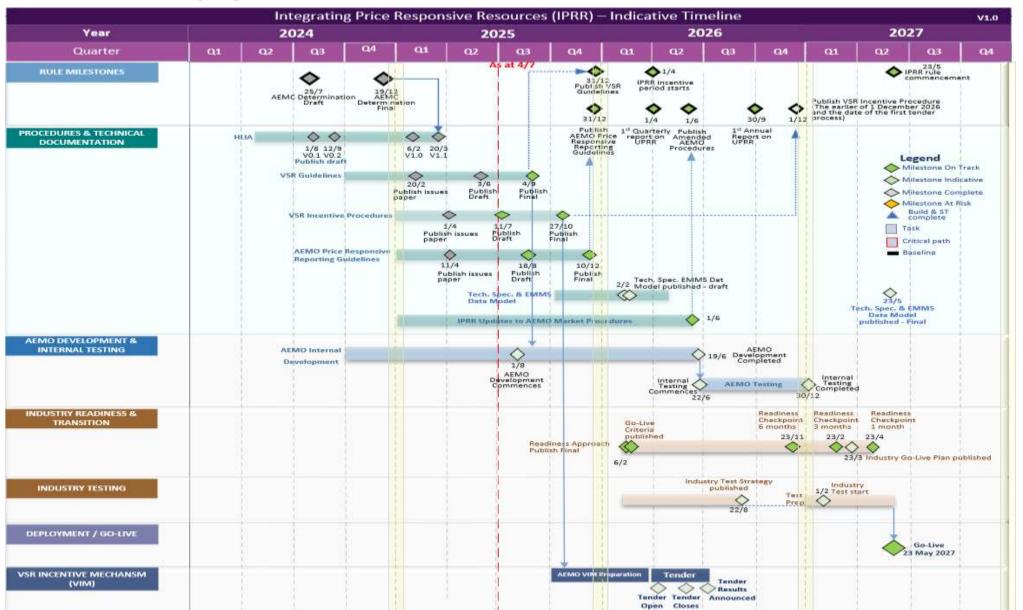
# Integrating Price-Responsive Resources into the NEM (IPRR)

For Noting



## **IPRR PoaP**





### IPRR upcoming consultations



- Upcoming engagement on major new IPRR documents that may be of interest 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	NEW / EXISTING	CONSULTATION TYPE	ISSUES PAPER PUBLISH DATE	ISSUES PAPER FEEDBACK DUE	DRAFT DETERMINATION PUBLISH DATE	DRAFT DETERMINATION FEEDBACK DUE	FINAL DETERMINATION PUBLISH DATE
VSR Guidelines	New	Standard	Thu 20 Feb	Thu 20 Mar	Tue 03 June	Wed 09 July	Thu 04 Sept
VIM Guidelines	New	Standard	Tue 1 Apr	Fri 2 May	Fri 11 Jul	Mon 11 Aug	Mon 27 Oct
Price Responsive Resources Guidelines	New	Standard	Thu 10 Apr	Tue 17 June	Mon 18 Aug	Fri 10 Oct	Wed 10 Dec
Constraint Formulation Guideline	Existing	Minor & administrative	Mon 7 April	Thu 08 May	Mon 14 July	Fri 1 Aug	Mon 1 Sep
Complete	On track	At risk	Late Next	milestone			

AEMO | NEM Reform | IPRR









# Identity and Access Management (IDAM)

Noting





#### **Key updates:**

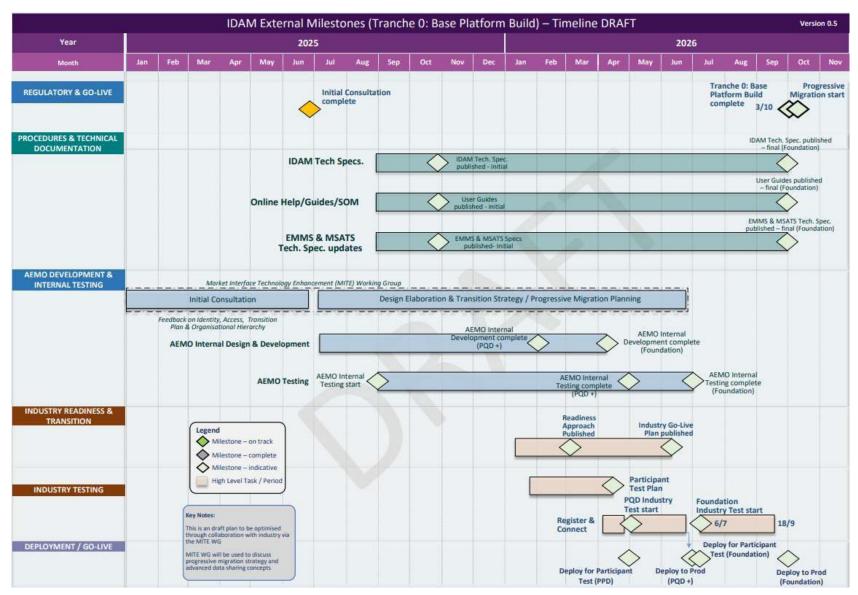
- Ramp up of resources recently has seen the project velocity significantly increase
- Project has finalised SAD Drop 1 and is working on Design and Solution Architecture for Drop 2
- No longer planning for initial release to support BPQD delivery
  - Alternate approach to be implemented
- Engagement dates will be confirmed at the conclusion of SAD 2

#### **Key dates:**

- Planning likely to conclude September 2025
- Now looking to commence delivery in October 2025
- Foundation Go Live to be confirmed at completion of planning but is anticipated to be October 2026

# IDAM Plan on a Page





#### **Progress Summary**

#### Overall project status **RED**

- Detailed Design work is underway with Partners to finalise the planning phase
- Despite being RED the project has started to trend upwards with detailed planning work now underway
- Implementation approach to be confirmed at completion of planning phase along with key milestones
  - Initial technical guides to be published Oct/Nov 2025(TBC)
  - Final technical guides to be published Sept 2026 (TBC)
  - Industry Readiness & Transition Approach to be published March 2026 (TBC)
  - Participant Test Plan due April 2026(TBC)
  - Industry Go-Live plan to be published June 2026(TBC)
- Anticipated Foundation go-live (TBC) October 2026 for transition commencement



# Cash Security

For Noting

# Cash security

# AEMO

#### Process to date

STAGE	DATES	RESPONSIBLE
AEMC draft rule & determination published	Thu 3 April 2025	AEMC
AEMO draft v0.1 HLIA published	Wed 7 May 2025	AEMO
AEMO industry briefing on draft HLIA	Fri 9 May 2025	AEMO
AEMC consultation period on draft rule closes	Thu 15 May 2025	Industry to provide feedback
AEMO feedback period on draft HLIA closes	Wed 21 May 2025	Industry to provide feedback
AEMO draft v0.2 HLIA published	Tue 3 June 2025	AEMO
AEMO presents HLIA at Reform Delivery Committee	Wed 11 June 2025	AEMO, Industry to provide feedback
AEMC to publish final rule & determination	26 June 2025	AEMC
AEMO to publish final HLIA	August 2025 (TBC)	AEMO

#### For more information visit:



nemreform@aemo.com.au



AEMO | NEM Reform | Cash security



AEMC | Cash as credit support rule development

### Final rule overview





#### Key aspects

- Introduces option for participants to use cash as credit support
- Cash Limit: Up to \$20 million per participant (CPI-indexed)
- New parallel stream of credit support requiring changes to processes and systems
- Cash and interest Return via settlement statements (interest paid weekly)
- Minor efficiencies and protections in prudential framework



#### Governance

- Cash held in additional AEMO Rule Fund
- New guidelines: to outline terms and conditions, and procedural requirements

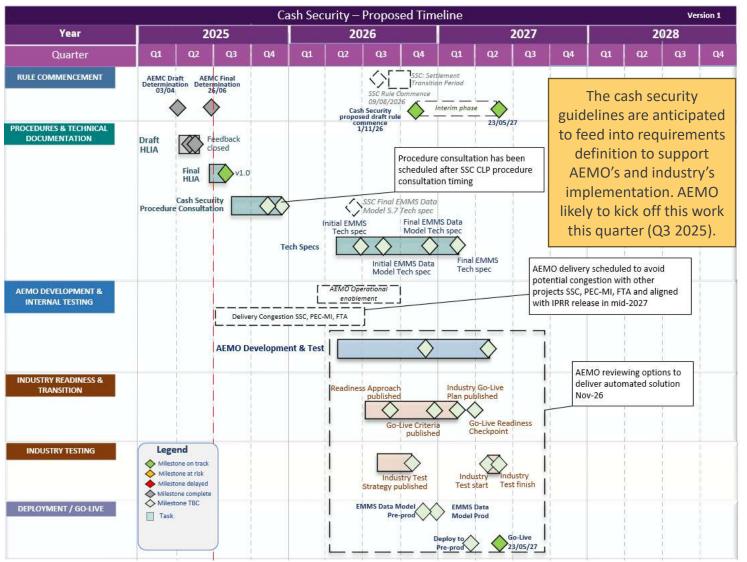


#### Key dates

- Cash Security Guidelines publication: 3 months prior to rule commencement (AEMO targeting Q4 2025)
- Rule commencement date: 1 November 2026

# Indicative PoaP (draft HLIA)





#### **Key considerations:**

- Digital operationalisation of cash security would be likely
- Delivery congestion (digital and functional) in the Settlements and Prudentials area over 2025-2026
- Typical reform project 18 months from final determination to rule commencement

#### Opportunities to optimise delivery

- Phased implementation with full automation by no later than Sunday 23 May 2027 (bundled with IPRR)
- Shorter consultation timeframe to complete the new cash security guidelines
- Aligning to twice-yearly release approach



# 12. Stakeholder Engagement



# **Upcoming Engagements**

Engagement	Date	Time (AEDT)
NEM Reform Industry Testing Working Group	24 July 2025	10:00AM – 11:00AM
NEM Reform Program Consultative Forum (PCF)	24 July 2025	1:00PM - 3:00PM
Basic Power Quality Data - Technical Working Group	29 July 2025	10:00AM – 1:00PM
NEM Reform Implementation Forum	17 July 2025	1:00PM - 3:00PM
NEM Reform Electricity Wholesale Consultative Forum	12 August 2025	1:00PM - 3:00PM
ISF Working Group	21 August 2025	11:00AM-1:00PM
NEM Reform Implementation Forum	21 August 2025	1:00PM - 3:00PM



NEMReform@aemo.com.au





# 13. 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.