

NEM Reform Industry Testing Working Group

Meeting #10
26 October 2023



1. Welcome

We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture.

**We pay respect to their Elders
Past and present.**

Agenda

#	Time	Topic	Presenter
1	10:30-10:35am	Welcome	Chris Fleming
2	10:35-10:40am	Actions & Feedback from Previous Meeting	Chris Fleming
3	10:40-10:50am	November Release Updates	Chris Fleming
4	10:50-10:55am	Metering Exemptions Testing Approach	Chris Fleming
5	10:55-11:15am	IESS June 2024 Market Trial Planning Approach	Greg Minney / Chris Fleming
6	11:15-11:20am	Upcoming Engagements	Lenard Bayne
7	11:20-11:30am	General Questions and Other Business <ul style="list-style-type: none">• ITWG representation (Verbal update)	Greg Minney

Appendix A: Competition law meeting protocol

Appendix B: Industry Testing Approaches

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

2. Actions & Feedback from Previous Meeting

Actions & Feedback from Previous Meeting

(Ref: Item = Meeting number/Agenda item number/Ref)

#	Topic	Action	Responsible	Status
9.5.0.1	IESS June 2024 Market Trial Strategy	AEMO to confirm if a test BDU will be part of this release.	AEMO	Closed

3. November Release Updates

Last Consumer Change Date (LCCD) Update

LCCD Update

- Industry Test and Q&A sessions are continuing
- Industry Test for LCCD will conclude on 27/10
- Participants are reminded to raise any issues via the Support Hub or via the Q&A sessions.
 - Include “Pre-production” and “MSATS LCCD” in issue description/title to assist direction of calls
- November release Industry Go-live plan published on 8/10
- Production effective date for LCCD is 1/11

MSDR Update

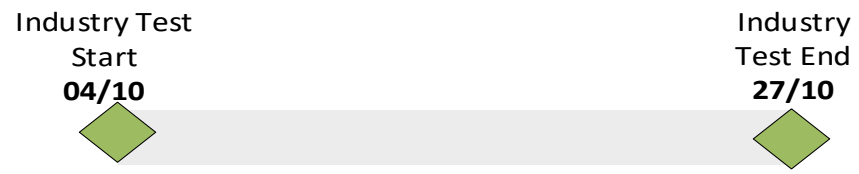
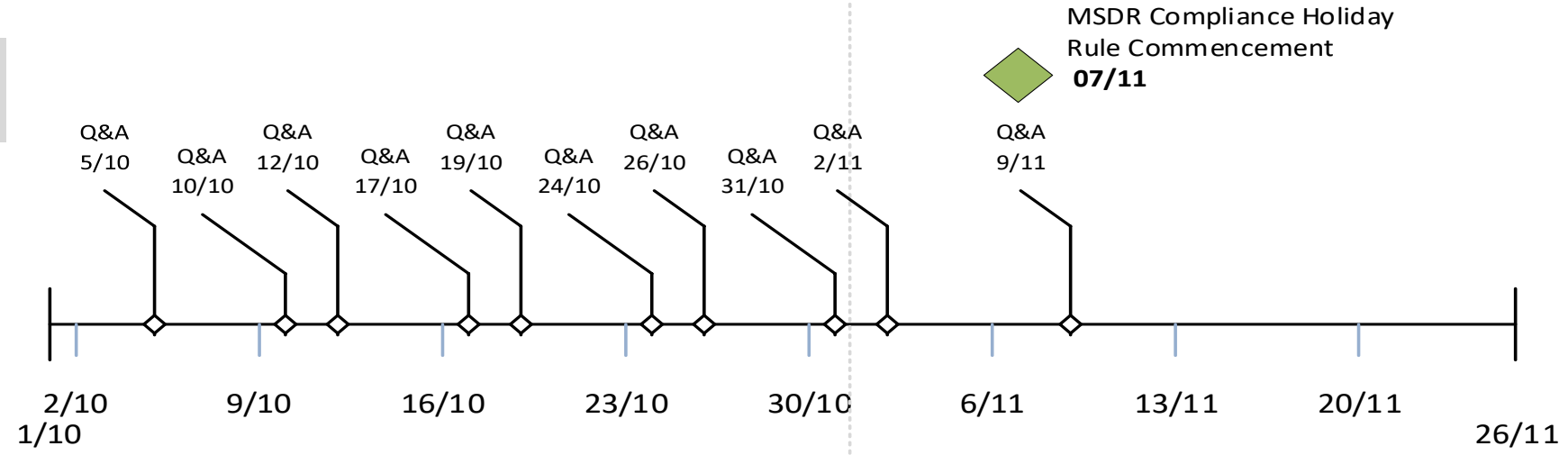
MSDR Update

- Industry Test commenced on 04/10 and will conclude 27/10.
- MSDR changes are related to the compliance holiday ending for some MSATS Standing Data attributes and removal of UnstructuredAddress in NMI Discovery, CATS/MSATS C4 & C7 reports and the MSATS Snapshot Report.
- November release Industry Go-live plan published on 8/10. Revised version released on 20/10 with clarification on the ending of the compliance holiday for some MSATS Standing Data attributes.
- Deployment for these changes will be during the MSATS maintenance window between 10:00 and 14:00 (market time) on 29/10.
- Unstructured address changes will take effect from 29/10.
- Production effective date for updated CR Validation is 7/11.

MSDR Industry Test Timeline



Pre-production



October 23

Mo	Tu	We	Th	Fr	Sa	Su
		27	28			1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27		
30	31					

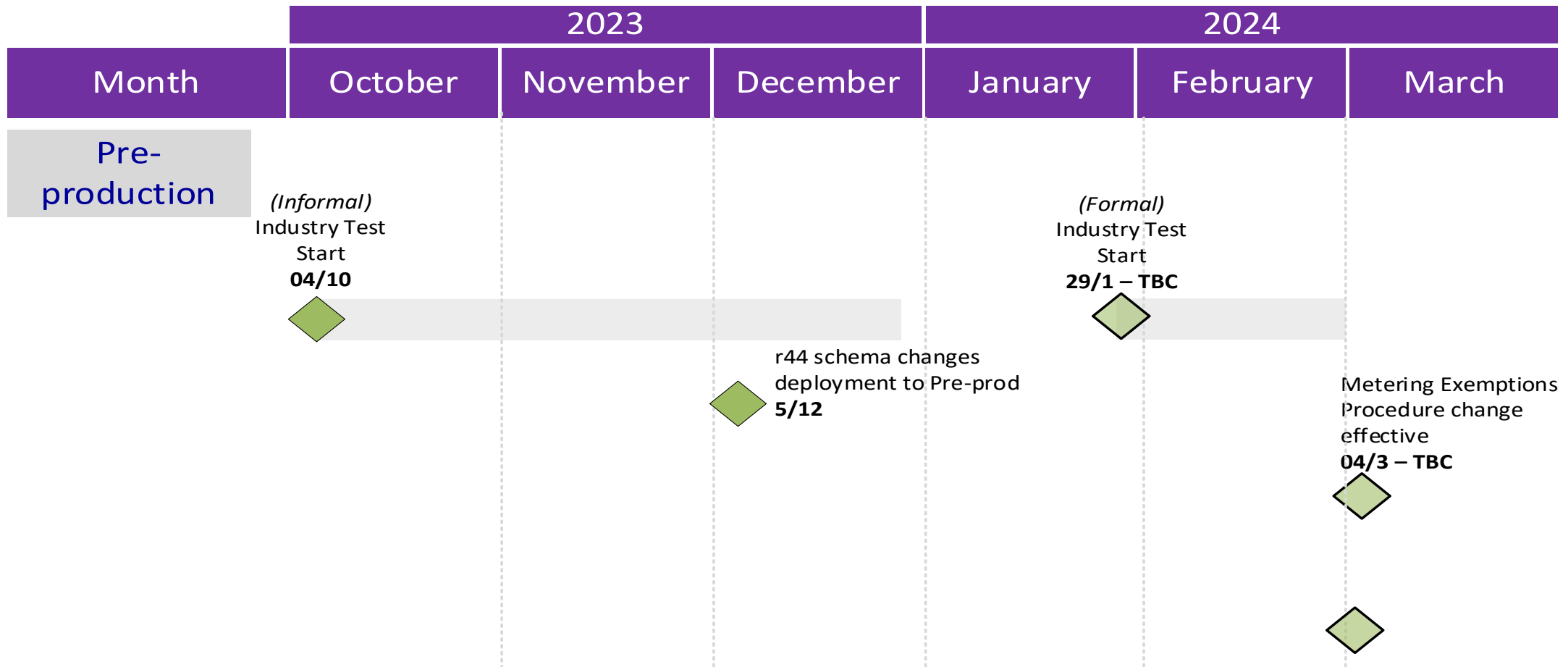
Note: Q&As will be combined with the LCCD and Metering Exemptions Q&As.

4. Metering Exemptions Testing Approach

Metering Exemptions industry testing approach

- Industry Test will run in 2 phases; informal and formal.
- Informal Testing
 - Commenced on 04/10/23 and will continue thru to the end of January 2024.
 - Will give participants an opportunity to shakedown their application changes and new business processes supporting the Metering Exemption automation.
- Formal Testing
 - Will run from 29/01/24 to 1/03/24
 - Testing will not be structured but MCs are encouraged to ensure that they can manage their Metering Exemption processes via the new UI or by the new APIs.
 - Participants can confirm receipt CR5101 notifications.
 - AEMO will support the formal testing by advancing the statuses of exemptions on request.
 - Q&A sessions will resume in late January
- A selection of production metering exemption data has been loaded into preprod for each MC. Additional data, based on existing production exemptions, can be loaded on request by email to nemreform@aemo.com.au
- Draft Go-live plan for March 2024 due on 08/01/2024, final version due 06/02/2024.
- Production effective date for Metering Exemptions 4/03/24.

Metering Exemptions Industry Test Timeline



Note: Q&As will be combined with LCCD and MSDR.

5. IESS June 2024 Market Trial Planning Approach

IESS June 2024 Industry Test and Market Trials Planning

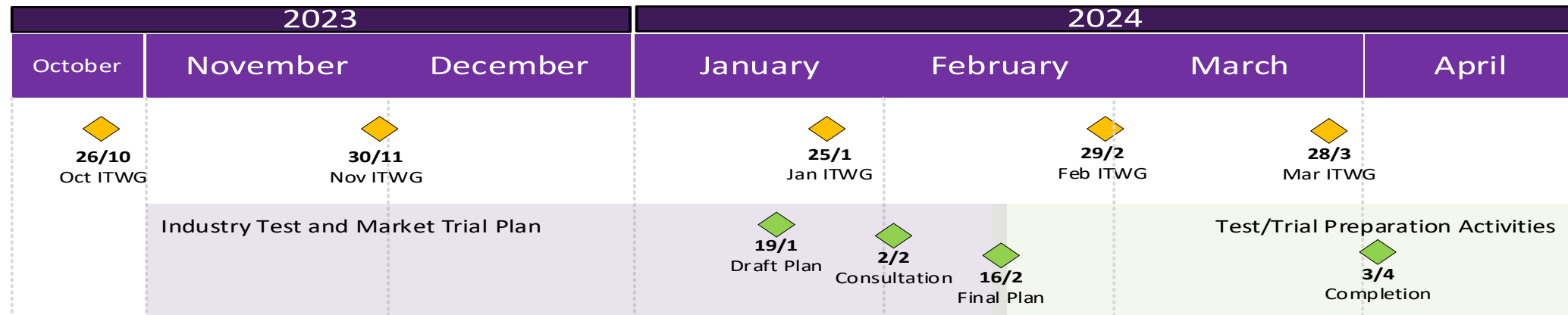
- Final Industry Test and Market Trial strategy was completed and published on 17/10.
- Feedback was received from participants and incorporated in the strategy. Some common themes are merged and covered in the next slide.
- Information on feedback received from participants to be provided in the next slide.
- More detailed test plans will be developed by AEMO in consultation with participants. Timing to be discussed on following slides

PLANNING				
Test planning	ITWG Engagement	Draft	Consultation	Final
Industry Test and Market Trial Strategy	September <input checked="" type="checkbox"/>	22 Sept 2023 <input checked="" type="checkbox"/>	06 Oct 2023 <input checked="" type="checkbox"/>	17 Oct 2023 <input checked="" type="checkbox"/>
Industry Test Plan and Market Trial Plan	Nov 2023 to Jan 2024	19 Jan 2024	02 Feb 2024	16 Feb 2024
Test/Trial preparation activities (aligned with the plan)	Feb & Mar 2024	N/A	N/A	03 Apr 2024

IESS June 2024 Industry Test and Market Trials Strategy Feedback Summary

- AEMO received feedback from 3 participants and the following describes the common themes of that feedback.
- The Industry test and market trials strategy aligns with the [IESS Readiness approach](#), which was published on the [IESS participant toolkit](#) web page.
- AEMO's pre-production will be used for Industry Test and Market Trials Testing.
 - AEMO's pre-prod environment remains open for all industry participant testing and AEMO registration processes and is not exclusive for IESS.
 - AEMO will develop a data refresh plan to align wholesale and retail environments for IESS testing.
 - AEMO will follow existing processes for outage notifications and code changes in pre-production.
- Participant Development Support Environment (PDSE) will be provided as an additional environment to better support participants' development, internal testing and market readiness for IESS.
 - AEMO will provide PDSE factsheet/FAQ document over the next few weeks to provide participants guidance on the scope, timing, use and support for the IESS PDSE.
- AEMO will provide support to investigate and resolve issues and defects identified during industry test and market trials.

IESS June 2024 Industry Test and Market Trials Planning Approach



Month	Test Planning Activities
November-December	<ul style="list-style-type: none"> Develop test plan which will include following: test phase objectives, detailed scope of testing, confirm pre-requisite activities, entry/exit criteria, test scenario approach and schedule dates, data management (including data refresh timings), Test phase participation (invitation for BDU and general sign-up), test reporting requirements
January	<ul style="list-style-type: none"> Draft test plan to publish on 19/1. ITWG session will run through details of the plan.
February-March	<ul style="list-style-type: none"> ITWG for Feb-Mar to work through test/trial preparation activities aligned with the plan Develop test workbooks, setup test scripts in test tool (PractiTest) Test/Trial preparation activities completion by 3/4

IESS June 2024 Industry Test and Market Trials Test Scope

Test Phase	Timing	Test Scope	Participants
Phase 1 – IESS standing data changes	April 2024	<ul style="list-style-type: none"> • Test registration changes • Test metering standing data changes and related changes • Test that impacted applications can accommodate retrospective changes for dates prior to cut over date • Confirm cutover / commencement processing 	FRMPs, market generators, market customers, IRPs, SGAs, Market ancillary service providers, network service providers, metering service providers, embedded network managers
Phase 2 – Settlements & Prudential Calculations	April/May 2024	<ul style="list-style-type: none"> • Population of EMMS Data Model 5.3 that will affect participant reconciliation and reporting activities, and AEMO data provision • Confirm existing Net calculation methodology and reporting is not impacted for periods up to 02 June 2024 • Confirm shift to new gross calculation methodology and reporting is reflected in settlements for periods post 02 June 2024 • Execute a mix of daily, interim, final and revision bill runs • Provide participant RM Reports to support participant settlement reconciliation processes • Provide participants confidential settlement and billing reports for executed settlement runs • Confirm the Direction and Ancillary Service recovery changes under the new NECR logic • Confirm the market fee calculations under the new database structure • Confirm participants can access information in prudential dashboard and forecast dashboard under new methodology 	FRMPs, market generators, market customers, IRPs, SGAs, Market ancillary service providers, network service providers, metering service providers, embedded network managers
Phase 3 – Bidirectional Unit bidding and dispatch	April/May 2024	<ul style="list-style-type: none"> • Confirm ability for 1 DUID BDU to bid and be dispatched • Confirm existing bidding and dispatch functionality still works for 2 DUID BDU arrangement • Test transition of 2DUID BDU to 1DUID BDU 	Market Generations (Battery – Gen Only), Market Customers (Battery – Load Only)

6. Upcoming Engagements

Upcoming Engagements

For Noting

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

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

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

Market Systems User Group (MSUG)

- MSUG is a technical forum focusing on technical specifications published on the IT Change and release management webpage. To receive an MSUG invitation please ask your organisation to include your email in their AEMO help desk bulletin distribution list. Tentative meeting dates are provided in technical specifications with invitations sent about one week prior to the event.
- For further information on this forum please contact AEMO support Hub via the following contact form [link](#) or email support.hub@aemo.com.au

NEM Reform Program	
NEM Reform Program Consultative Forum	
NEM Reform Delivery Committee	
NEM Reform Delivery Committee - Collab W	
NEM Reform Implementation Forum	
NEM Reform Electricity Wholesale Consultative Forum	
NEM Reform Executive Forum	
NEM Reform Industry Testing Working Group	
NEM Reform Initiative Specific	
IESS Settlements Transition and Q&A Session	
IESS BDU Readiness Focus Group	
Other Forums	
AEMO Consumer Forum	
Market Systems User Group (MSUG)	
General & Roadmap Briefing	
Electricity Retail Consultative Forum	
Other	
National Public Holiday	
State/Territory Public Holiday	
AEMO Office Closed	

To learn more about these events, please visit AEMO's [Industry meeting calendar](#) or contact the program at NEMReform@aemo.com.au.

7. General Questions and Other Business



NEMReform@aemo.com.au



[NEM Reform Industry Testing Working Group](#)



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.

Appendix B: Industry Testing Approaches

Approaches to Industry Testing

AEMO provides opportunity for Industry participants to test their updated systems and processes prior to release of AEMO updates into production.

The approach to the level of co-ordination, integrated planning and scenario management that is provided is dependant on a number of factors including:

- Impact to end-to-end participant process flows
- Ability of impacted participants to successfully test changes without AEMO or other participant co-ordinated activity
- Number and range of participants impacted by release

The approaches to Industry testing are described as:

Type of market testing	Description	Example
Industry testing	Self-testing of functionality such as connectivity, and/or coordinated multi-party testing of functional scenarios	Testing a change request (CR) or processing a reallocation or bid submission
Invitation industry testing	Coordinated testing of business process scenarios with a select number or subset of participants with systems ready for testing.	Testing NMI transfer Process
Market trials	Coordinated multi-party end-to-end testing of business process scenarios	Meter exchange involving CRs, service orders and 5-minute meter reads

In all cases involvement in testing is voluntary on participants behalf.

Agreement on approach to the type of industry testing for a release is conducted through the Implementation forum and Industry Test Focus Group along with support arrangements during the test period.



For more information visit

aemo.com.au