

NEM Reform Industry Testing Working Group

Meeting #9

28 September 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	Greg Minney
2	10:35-10:40am	Actions & Feedback from Previous Meeting	Greg Minney
3	10:40-10:50am	October/November Release Updates	Chris Fleming
4	10:50-10:55am	Approach for Metering Exemptions	Chris Fleming
5	10:55-11:15am	IESS June 2024 Market Trial Strategy	Greg Minney/Chris Fleming / Michael Clements
6	11:15-11:20am	Upcoming Engagements	Lenard Bayne
7	11:20-11:30am	General Questions and Other Business	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
8.3.0.1	Fast Frequency Response (FFR) Approach	AEMO to provide members with indication on when participants can view price fields and dispatch fields in pre prod.	AEMO	Closed
8.3.0.2	IESS June 2024	AEMO to provide participants with an indication of how many notifications participants could expect during the first week of the June 2024 release.	AEMO	
8.4.0.1	IESS June 2024	ITWG members to provide their feedback on the draft test strategy by 5 October.	Members	

3. October/November Release Updates

October Release Update

FFR, 5MLP & MT PASA Updates

FFR

- Industry Test is now complete following successful final settlements run for Week 36 in preprod.
- FFR rule commencement is on 09/10
- Link to the FFR [Industry Go-Live Plan](#)

5MLP

- Industry Test for 5MLP ends today 28/9.
- RM reports distributed to Participants for review. No incidents raised for 5MLP during the Industry Test period

MT PASA

- Industry Test for MT PASA also concludes today 28/9.
- 17 participants have submitted files for processing during the industry test and over 200 files have been successfully processed.
- MT PASA rule commencement 9/10.
- Link to the MT PASA Link to the MT PASA go-live plan [October 2023 industry go-live plan](#)

Last Consumer Change Date (LCCD) Update

LCCD Update

- Industry Test and Q&A sessions are in progress
- Industry test had been paused due to an error logging defect but resumed on 19/09. 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 to be published on 6/10
- Production effective date for LCCD is 1/11

MSDR Update

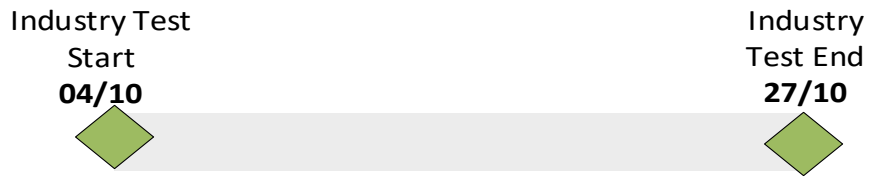
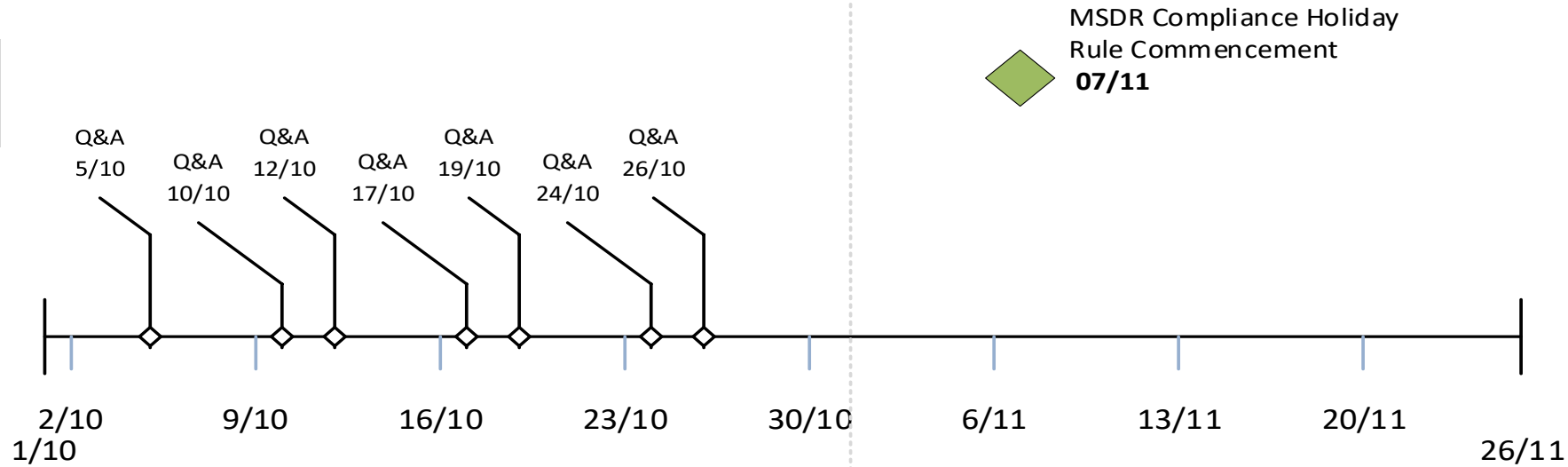
MSDR Update

- Industry Test to run between 04 Oct and 27 Oct 2023.
- MSDR changes are related to the compliance holiday ending for some MSATS Standing Data attributes (attributes become mandatory for some CRs).
- Participants can test and validate the following:
 - ConnectionConfiguration for CR5000 series.
 - Meter Manufacturer, Model and Use for CR 3004/3005, 3050/3051, 3080/3081, 3090/3091 (where meter status = Current).
 - UnstructuredAddress in NMI Discovery; CATS Report C1, C4, C7; and MSATS Snapshot Report.
- November release Industry Go-live plan to be published on 6/10.
- Deployment for these changes will be during the MSATS maintenance window between 10:00 and 14:00 (market time) on 29/10.
- Unstructured address search capability will be removed from 29/10.
- Production effective date for updated CR Validation is 7/11.

MSDR Industry Test Timeline



Pre-production



October 23

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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

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

4. Approach for Metering Exemptions

Metering Exemptions industry testing approach

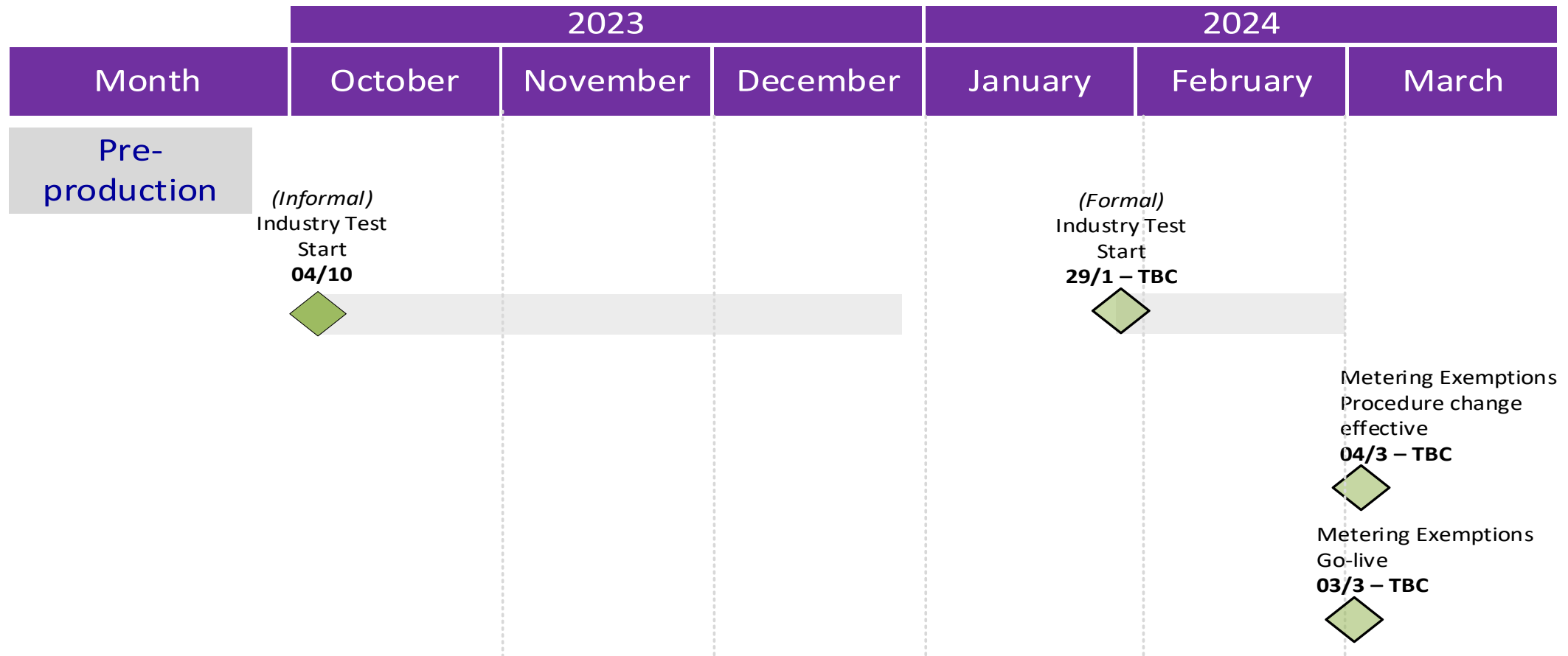
WHO?	Interested Metering Coordinators and Market Participants	
WHEN?	From 4 Oct 2023	APIs and UI available for participants for informal testing
	29 Jan to 1 Mar 2024	Metering Exemptions industry test period
WHAT?	<p>Industry Testing will be conducted in 2 phases. The APIs and UI will be available for an informal test period from 4/10. The r44 aseXML B2M Schema changes will be deployed into preprod in late January 2024.</p> <ul style="list-style-type: none"> • Subset of Existing metering exemption data will be migrated to MSATS Preprod in readiness for the Industry Test. • Data load will provide exemption data for each of the MCs. • MCs will be able to identify the Number of NMIs associated to each exemption in pre-prod via the ExemptionList API and via the User Interface. • Participants to advise when they require this data to be loaded (for informal test window or prior to the formal test). • Participants using the Meter Exemptions APIs will need to apply for certificates using the BAU process (refer to following guide Obtain a new certificate). <p>Industry Test will be via API, Market Portal or MSATS Browser:</p> <ul style="list-style-type: none"> • MCs to create Meter Exemption • MCs to extend (duration) existing Meter Exemption • MCs to cancel existing exemption • Opportunity for MCs to review migrated exemptions • Confirmation that COM received for 5100/5101 	

Metering Exemptions industry testing approach

NEXT STEPS

- AEMO will hold twice-weekly Q&A sessions with participants throughout Feb 2024 to support industry testing and discuss any issues encountered. Participants can also join the Oct – Nov Release Q&As if they require support during the informal test phase.

Metering Exemptions Industry Test Timeline



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

5. IESS June 2024 Market Trial Strategy

IESS June 2024: Industry Testing and Market Trials Strategy Approach

Market Trial Phase 1 – IESS standing data changes	
WHO?	Affected/potentially affected participants: <ul style="list-style-type: none"> FRMPs, market generators, market customers, IRPs, SGAs, Market ancillary service providers, network service providers, metering service providers, embedded network managers
WHEN?	April 2024 <ul style="list-style-type: none"> Market trial – scheduled scenarios Industry testing – individual scenarios
#	Proposed Scope – Test Activities
1	Test registration changes: <ul style="list-style-type: none"> Confirm update of SGAs to new IRP registration category (NCC of NREG will be maintained) Confirm update of post-Dec 2021 BESS operators to new IRP registration category
2	Test metering standing data changes and related changes: <ul style="list-style-type: none"> Test transition of existing sites with multiple NMIs and NCCs to DIRS/TIRS (for example a current battery with one NMI for load and one NMI for Generation will be transitioned to one NMI with classification of TIRS or DIRS) Test standing data update of NCC of DGENRATR Test that CATS reports and MSATS screens will be able to accommodate new NCCs Test that MSATS can process transactions with new NCCs
3	Test that impacted applications can accommodate retrospective changes for dates prior to cut over date
4	Confirm cutover / commencement processing

IESS June 2024: Industry Testing and Market Trials Strategy Approach

Market Trial Phase 2 – Settlements & Prudential Calculations		
WHO?	Affected participants: <ul style="list-style-type: none"> FRMPs, market generators, market customers, IRPs, SGAs, Market ancillary service providers, network service providers, metering service providers, embedded network managers 	
WHEN?	April – May 2024	Market trial – scheduled scenarios
#	Proposed Scope – Test Activities	
1	Population of EMMS Data Model 5.3 that will affect participant reconciliation and reporting activities, and AEMO data provision	
2	Confirm existing Net calculation methodology and reporting is not impacted for periods up to 02 June 2024	
3	Confirm shift to new gross calculation methodology and reporting is reflected in settlements for periods post 02 June 2024	
4	Execute a mix of daily, interim, final and revision bill runs	
5	Provide participant RM Reports to support participant settlement reconciliation processes	
6	Provide participants confidential settlement and billing reports for executed settlement runs	
7	Confirm the Direction and Ancillary Service recovery changes under the new NECR logic	
8	Confirm the market fee calculations under the new database structure	
9	Confirm participants can access information in prudential dashboard and forecast dashboard under new methodology	

IESS June 2024: Industry Testing and Market Trials Strategy Approach

Market Trial Phase 3 – Bidirectional Unit bidding and dispatch

WHO?	Affected participants: <ul style="list-style-type: none"> Market Generations (Battery – Gen Only), Market Customers (Battery – Load Only) 	
WHEN?	April – May 2024	<ul style="list-style-type: none"> Invitational industry testing Self-initiated industry testing

Proposed Scope – Test Activities

1	Confirm ability for 1 DUID BDU to bid and be dispatched <ul style="list-style-type: none"> Enable bidding of BDUs (10 Load Bands and 10 Generation Bands) through FTP, API and web interfaces for Energy and Regulation FCAS Enable bidding of BDUs (10 bid bands) through FTP, API and web interfaces for Contingency FCAS Validation of Bids Confirm participants can bid within new validation rules for IESS June 2024 Review submitted bids using NEM Reports, API and web interface Confirm dispatch instructions Test optional bidding of Energy Storage Limits in Pre-dispatch (PD/7Day PD only)
2	Confirm existing bidding and dispatch functionality still works for 2 DUID BDU arrangement
3	Test transition of 2DUID BDU to 1DUID BDU

Timeframes for IESS Market Trials June 2024

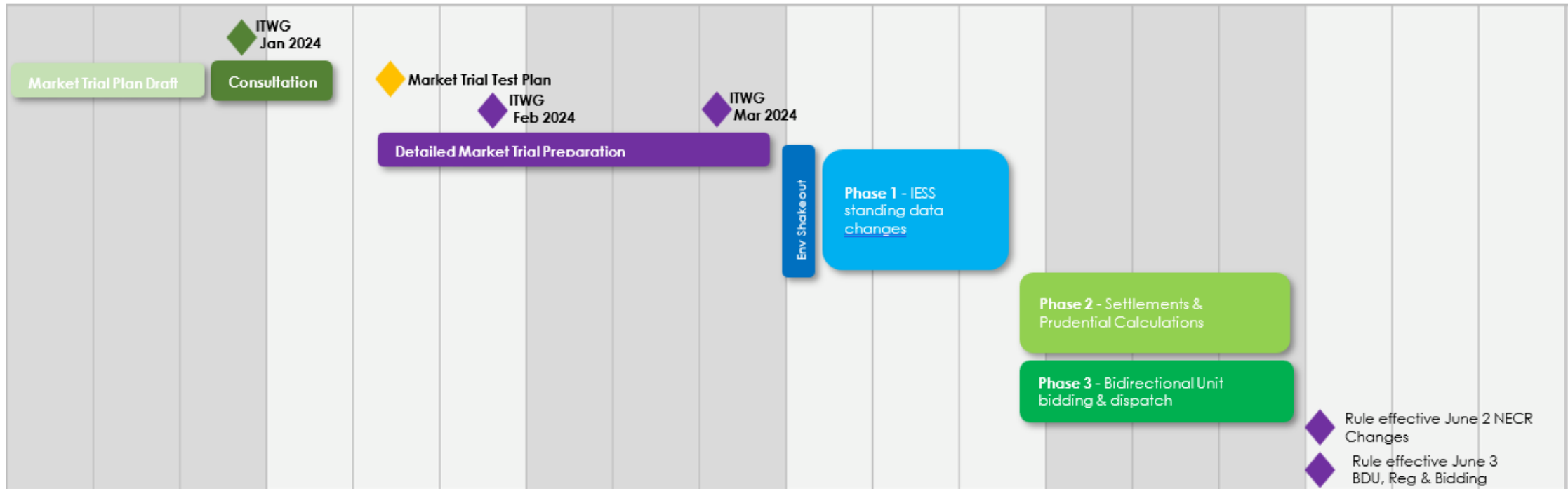
PLANNING				
Test planning	ITWG Engagement	Draft Plan	Consultation	Finalised Plan
Industry Test and Market Trial Strategy	September ITWG	22 Sept 2023	06 Oct 2023	17 Oct 2023
Industry Test Plan	Nov 2023 to Jan 2024 ITWG	19 Jan 2024	02 Feb 2024	16 Feb 2024
Detailed Plan (market trial prep activities, data, scripts, etc.)	Feb & Mar 2024 ITWG	N/A	N/A	03 Apr 2024

MARKET TESTING			
IESS market trial phase	Description	Duration	Timing
Phase 1	IESS standing data changes	~2-3 weeks	April 2024
Phase 2	Settlements & Prudential calculations	~4-5 weeks	April/May 2024
Phase 3	BDU bidding and dispatch	~4-5 weeks	April/May 2024

Timeframes for IESS Market Trials June 2024 Planning and Implementation

2023	2024	2024	2024	2024	2024
JAN	FEB	MAR	APR	MAY	JUN

IESS Market Trial Planning & Implementation



6. Upcoming Engagements

Upcoming Engagements

September						
S	M	T	W	T	F	S
				7	8	9
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

October						
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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
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

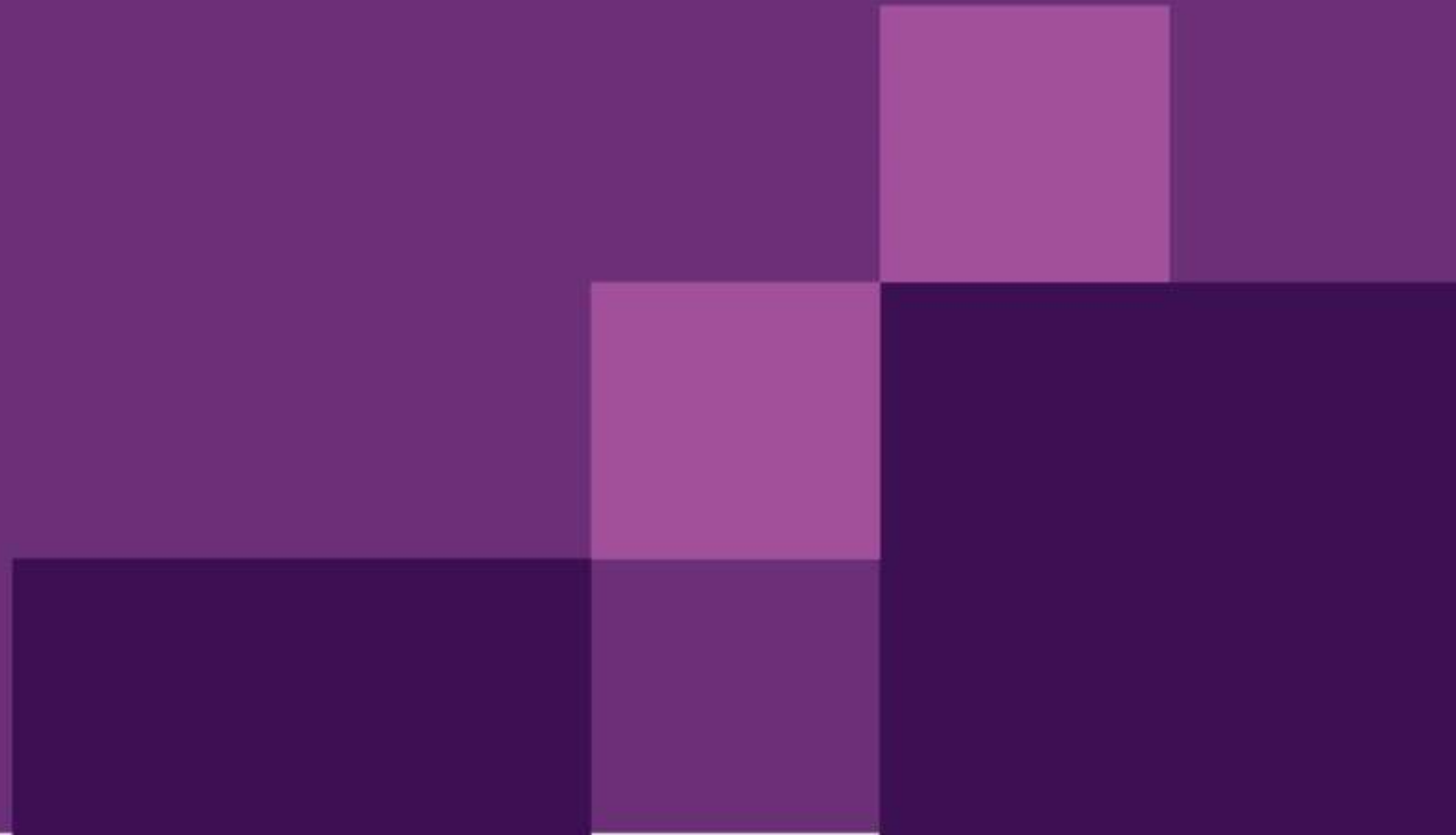
Decemeber						
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10	11	12	13	14	15	16
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24	25	26	27	28	29	30
31						

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

NEM Reform Program Committees/Forums	
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	
Foundational and Strategic Initiatives	
Other Forums	
AEMO Consumer Forum	
Market Systems User Group (MSUG)	
General & Roadmap Briefing	
Electricity Retail Consultative Forum	
Other	
Natioanl Public Holiday	
State/Territory Public Holiday	
AEMO Office Closed	



General Stakeholder briefing



NEM Reform Program – General Stakeholder Briefing



On 25 October AEMO is welcoming all stakeholders to a briefing on the NEM Reform Program and the upcoming release of the NEM Reform Implementation Roadmap v.3.

The briefing is set out in two sessions and all stakeholders are welcome to join either or both sessions.

Session 1: General briefing

- 25 October 1.00pm – 2.00pm (AEST)
- If you're a market participant or provide services in the NEM, and don't attend our regular forums, this is your opportunity to learn more about the program and how to get involved.

Session 2: NEM Reform Implementation Roadmap briefing

- 25 October 2.00pm - 3.00pm (AEST)
- Provides an overview of the NEM Reform Implementation Roadmap including changes in the v.3 release. The session will benefit market participants and other stakeholders who are looking to effectively manage their own change program.

Please register your interest to attend [here](#) by Friday 20 October.

For more information please contact 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