

NEM Reform Implementation Forum

Meeting #13
25 July 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, present and emerging.

Agenda

#	Time	Topic	Presenter
1	1:00–1:05pm	Welcome	Greg Minney
2	1:05–1:10pm	Actions & Feedback from Previous Meeting	Greg Minney
3	1:10–1:20pm	2023 Release Summary	Greg Minney
4	1:20–2:05pm	August - October 2023 Release	Greg Minney / Emily Brodie
		<ul style="list-style-type: none"> • IESS ADC – Progress Summary (09 Aug 2023) <ul style="list-style-type: none"> • Go Live Criteria and confirmation • Go live plan / Comms plan • FFR – Progress Update <ul style="list-style-type: none"> • Oct Go Live Plan overview • Registration Release confirmation and Industry test approach • Increased MT PASA Information – Progress Summary <ul style="list-style-type: none"> • Industry Test Approach • Go Live Plan Draft • Go Live Criteria and Status • 5MLP (ICF060) Progress Summary <ul style="list-style-type: none"> • Industry Testing Approach 	
			Greg Minney

#	Time	Topic	Presenter
5	2:05–2:20pm	November 2023 <ul style="list-style-type: none"> • November Release Progress summary • November Industry Readiness Approach 	Chris Fleming Karen Clarke
6	2:20–2:35pm	June 2024 Release	Greg Minney Emily Brodie
		<ul style="list-style-type: none"> • Progress Update • BDU Model Design/ Settlement Changes / AEMO Checkpoint • Market trial scoping • Next steps 	Emily Brodie / Greg Minney
7	2:35–2:40pm	Other Initiatives <ul style="list-style-type: none"> • IDAM,IDX & Portal Consolidation 	Ulrika Lindholm
8	2:40–2:45pm	Upcoming Engagements	Lenard Bayne
9	3:45–3:00pm	General Questions & Other Business	Greg Minney

Appendix A:
Competition law meeting protocol and AEMO forum expectations

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

2. Actions & Feedback from Previous Meeting

Actions

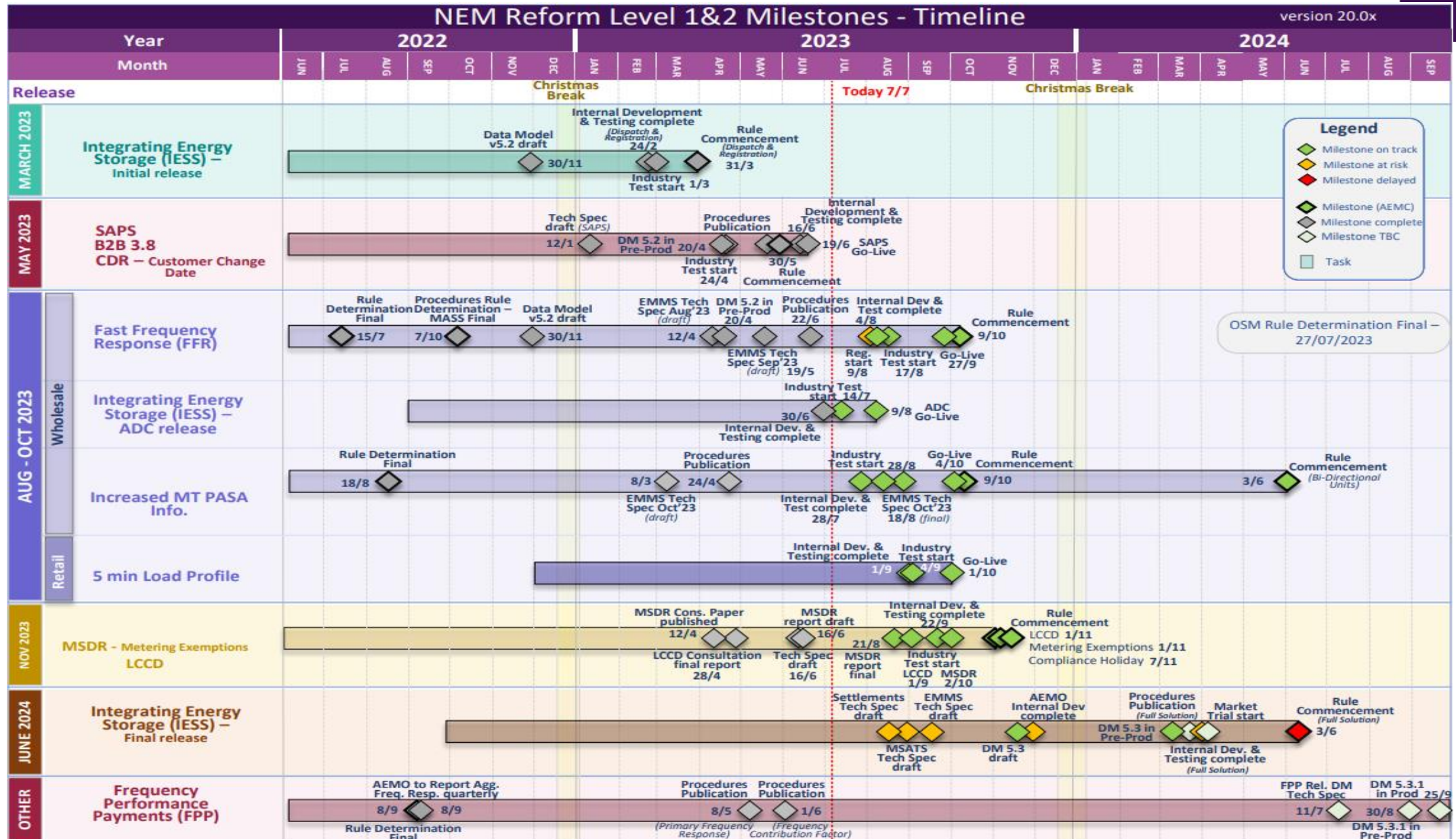
(Item = Meeting # – Agenda # – Reference)

Item	Topic	Action	Responsible	Status
12.5.0.1	August – October 2023 Release (IESS)	AEMO to provide an update in relation to ADC Industry Test Commencement and planned go-live on 3 July, reflecting expected resolution of identified defects.	AEMO	Closed
12.5.0.2	August – October 2023 Release (FFR)	Participants are requested to forward comments in relation to the draft August Release Go-Live plan by emailing NEMReform@aemo.com.au by 10 July.	Participants	Closed
12.7.0.1	IESS Settlement Changes Update	Participants to provide feedback to (a) the transition approach and (b) the suitability of a “participant development” environment for IESS settlement changes by Friday 28 July by emailing IESS@aemo.com.au . In addition, participants are encouraged to request a 1 to 1 conversation with the IESS team by emailing the IESS inbox or raising their feedback via the IESS settlement workshop being scheduled for Wed 19 July.	Participants	Open

The latest meeting minutes and materials are available on the [Implementation Forum](#) webpage.

3. 2023 Release Summary

Release Summary milestones



4. August – October 2023 Release

August – October release

Four major deployments included in this release:

1. IESS – Aggregated Dispatch Conformance (**9 August**)
2. Fast Frequency Response (**9 August** and **9 October**)
3. Increased MT PASA information (**4 October** and **9 October**)
4. 5MLP – Updates to 5 Minute Load Profile Calculation (**1 October**)



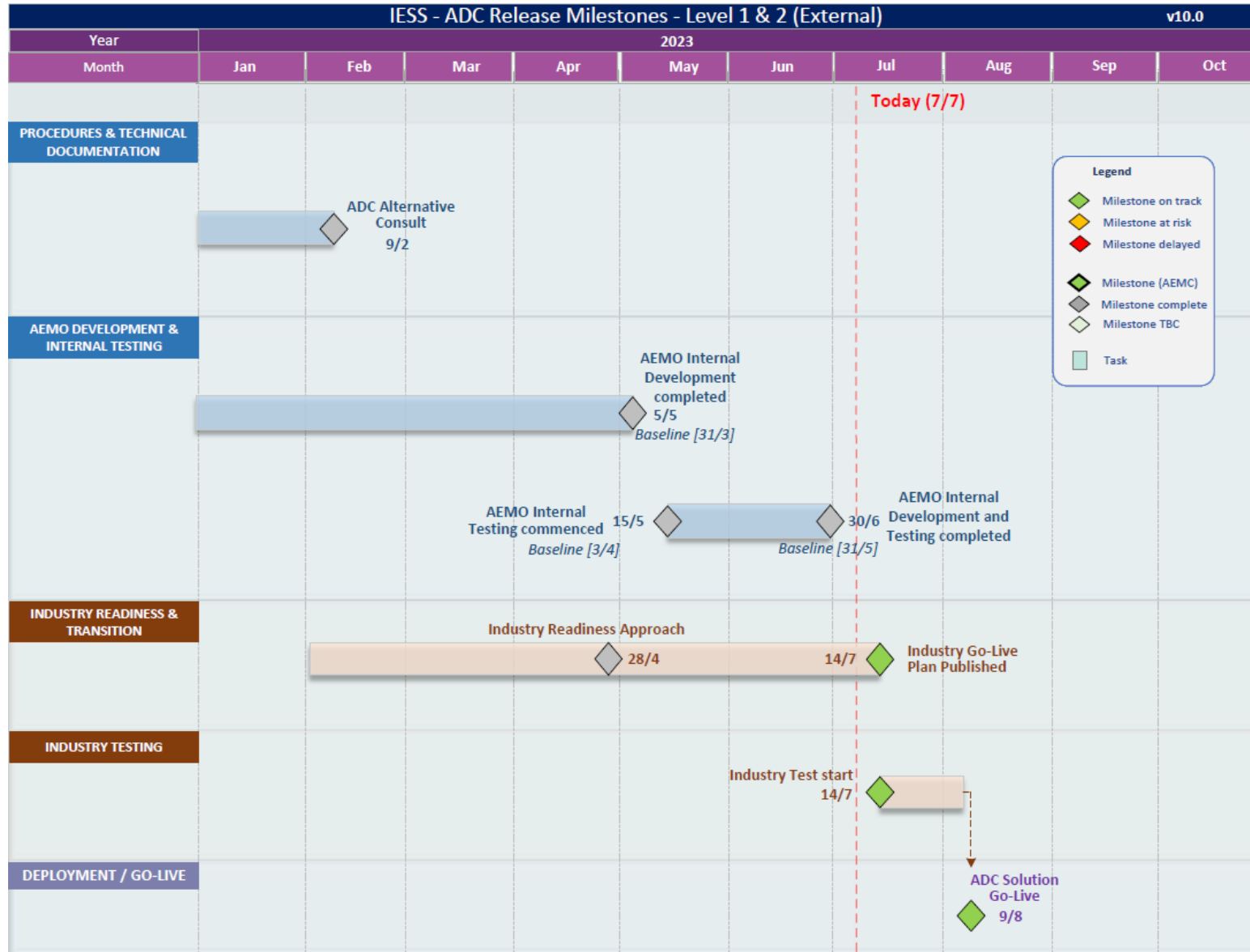
IESS – Aggregated Dispatch Conformance (ADC)

09 Aug 2023

Greg Minney / Emily Brodie

IESS (ADC) milestones and progress

IESS - ADC Release Milestones - Level 1 & 2 (External) v10.0



RELEASE COMMENTARY

- AEMO must be ready - systems, processes, support
- Individual participant / participant category readiness is **not** a dependency for go-live

- ✓ [Dispatch Procedure](#) consultation complete
- ✓ [EMMS tech spec](#) complete
- ✓ No further changes to market interface required for ADC implementation
- ✓ Internal AEMO development and testing complete
- ✓ Invitation Industry Test period in progress
 - Position update to be provided at Implementation Forum on Tue 25 Jul.
- ✓ [Final go-live plan](#) released (including FFR August components) 14 Jul 2023.

Go-live criteria management: Industry checkpoint for August 2023 release

INDUSTRY CHECKPOINT PURPOSE:

To provide assurance of implementation/rule commencement preparations ahead of the industry test period, allowing time for finalising AEMO's and participants' business preparations.

Update to be provided on Tue 25 Jul in session

INITIATIVE	AGGREGATED DISPATCH CONFORMANCE (09 Aug 2023): Aggregate Systems can apply to opt-in to Aggregated Dispatch Conformance	
CRITERIA	DESCRIPTION	STATUS: INDUSTRY TESTING IN PROGRESS
Go-live criteria	<ul style="list-style-type: none"> AEMO solution tested in-line with requirements for: <ul style="list-style-type: none"> Enabling Aggregate Systems to register for and participate in ADC Conformance monitoring of Target Aggregates AEMO business ready to support ADC registration, dispatch and monitoring. 	<ul style="list-style-type: none"> SIT execution complete UAT execution complete, no open UAT defects Industry invitation test commenced Fri 14 Jul All business readiness preparations are completed or on target for completion for 9/8 commencement.
	Optional participation for Aggregate Systems i.e. participant readiness activity is not a pre-requisite for go-live.	n/a
CONTINGENCY	Defer registration for ADC until go-live criteria are met.	No current indication that contingency will be needed.

August 2023 release: ADC Industry test and go-live communications

#	AEMO actions	Industry impacts and actions	Planned Time (Market Time)	Communication Channel/s
✓ 1	Prepare pre-production environment AEMO will implement changes to its Registration and Dispatch systems in the pre-production environment.	n/a	Prior to Mon 10 Jul 2023	n/a
✓ 2	Industry test period starts AEMO notifies Target Aggregates and existing Aggregate Systems that industry test period has opened.	<ul style="list-style-type: none"> Target Aggregates and existing Aggregate Systems can choose to undertake ADC test activities. 	Fri 14 th Jul 2023	<ul style="list-style-type: none"> Email to affected participants ITWG support Q&A sessions during test period
3	Prepare production environment <ul style="list-style-type: none"> AEMO will implement changes to its Registration and Dispatch systems in production. AEMO notifies existing Aggregates and BESS they will be placed on aggregate conformance and need to subscribe to new DISPATCH_CONFORMANCE reports to reconcile conformance status. 	<ul style="list-style-type: none"> Target Aggregates and existing Aggregate Systems prepare for ADC go-live. 	Prior to Wed 09 Aug 2023	<ul style="list-style-type: none"> Support Hub Notification Email to NEM Reform Implementation Forum members and affected participants.
4	ADC go-live <ul style="list-style-type: none"> AEMO notifies Target Aggregates and existing Aggregate Systems that new ADC arrangements are operational AEMO notifies stakeholders when ADC registration opens 	<ul style="list-style-type: none"> Target Aggregates and existing Aggregate Systems are advised that the new ADC arrangements are operational. Stakeholders are advised that AEMO has opened ADC registration 	Wed 09 Aug 2023	<ul style="list-style-type: none"> Email to Implementation Forum members and affected Participants. A notification will be posted on the IESS project website. “NEM Reform Announcement” e-newsletter to subscribers of newsletter
5	Participant support AEMO to facilitate ADC industry Q&A session if there is sufficient demand from Participants	Participants to advise AEMO if ADC Q&A required.	Aug/Sep 2023 (date TBC)	<ul style="list-style-type: none"> NEM Reform Implementation Forum iesse@aemo.com.au

Additional resources

- [ADC toolkit](#)
- [ADC fact sheet](#)
- [ADC go-live plan](#)
- [Dispatch procedure](#) – updated for ADC
- [IT change and release management information](#)
- [IESS Project webpages](#)

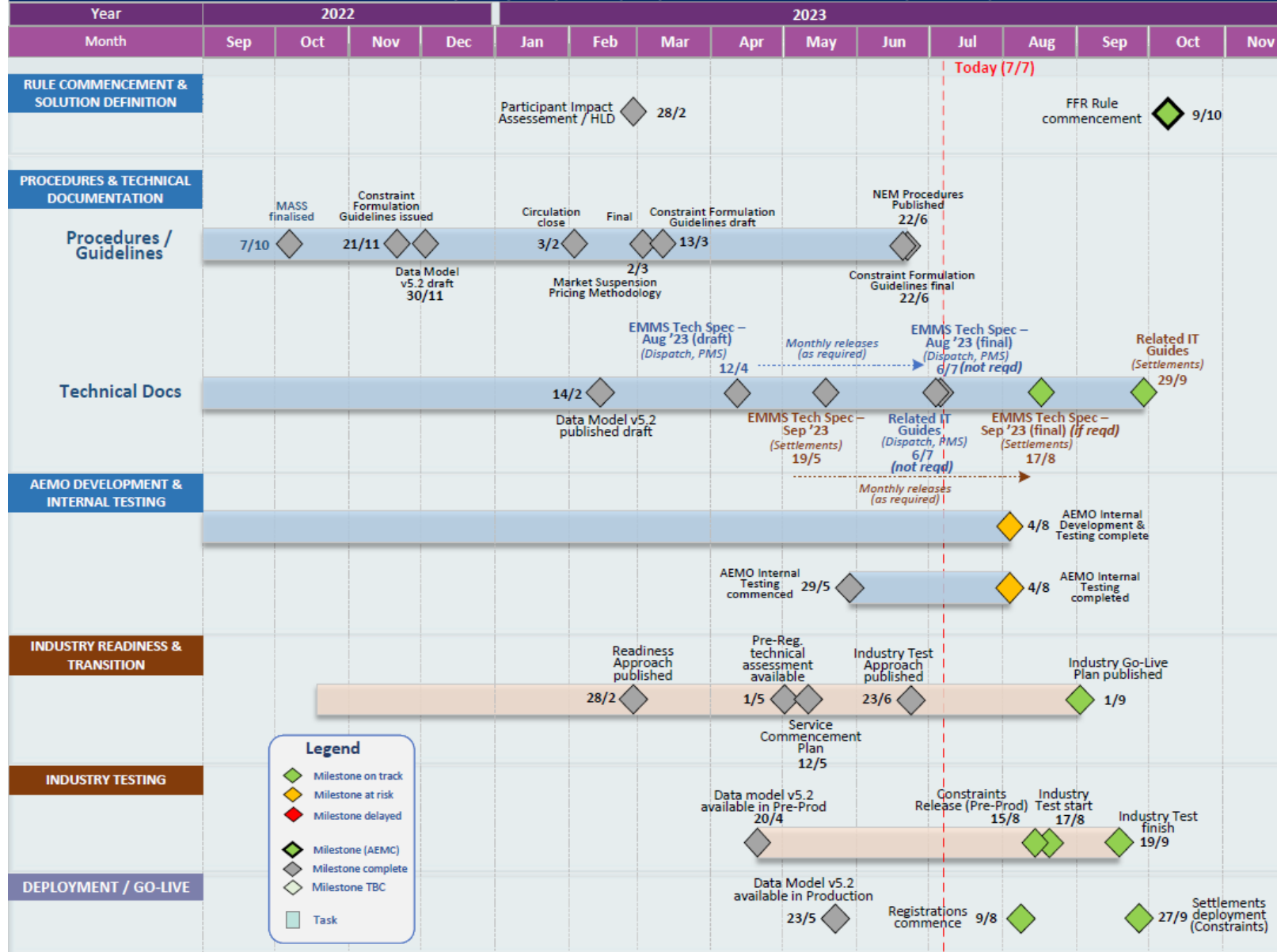
Please contact us via IESS@aemo.com.au with any questions or suggestions.

Fast Frequency Response (FFR)

Greg Minney

FFR Milestones and progress

P2267 Fast Frequency Response (FFR) Milestones - Level 1 & 2 (External) v16.0



Release Commentary

- Preparation in progress for opening registrations for FFR on 9th Aug
 - Participant registration process will support participation in industry test
- Updated Technical Spec for PMS, Dispatch API, Bidding and Markets Portal updates published 19/5
- [Supporting information](#) available for participants to understand technical requirements for registration.
- Pre-Registration technical assessments underway, to provide provisional confirmation of VF FCAS maximum capacity
- AEMO internal Testing is in progress, Integration and UAT testing has completed for Phase 1 release (Registrations, dispatch) Phase 2 (Settlements) is currently behind schedule with plans to complete with no impact to Industry Test, but 4/8 completion at risk
- Industry test plan provided to ITWG – with finalised plan to be presented to ITWG 27/7
- Draft FFR – Phase 2 Go-Live plan to be issued 24/7 – providing overview of decision timings and communication for AEMO solution go-live and Service Go-Live.
- AEMO solution readiness criteria update to be provided at next Implementation Forum

Go-live criteria management: Industry checkpoint for August 2023 (Registrations) release

INDUSTRY CHECKPOINT PURPOSE:

To provide assurance of implementation preparations ahead of the industry test period, allowing time for finalising AEMO’s and participants’ business preparations.

INITIATIVE	FAST FREQUENCY RESPONSE – REGISTRATIONS (09 Aug 2023): Eligible providers can register to participate in VF FCAS	
CRITERIA	DESCRIPTION	STATUS: ON TRACK
Go-live criteria	<ul style="list-style-type: none"> AEMO solution tested in-line with requirements for enabling interested, eligible participants to register for VF FCAS AEMO business ready to support VF FCAS registration. 	<ul style="list-style-type: none"> SIT complete. UAT complete. Deployment to preproduction 6 Jul. All business readiness preparations are completed or on target for completion in line with 9 Aug commencement
	Optional participation for interested, eligible providers to Register for VF FCAS and/or participate in industry testing.	n/a
CONTINGENCY	Defer registration for VF FCAS until go-live criteria are met.	No current indication that contingency will be needed.

August 2023 release: FFR go-live communications



#	AEMO actions	Industry impacts and actions	Planned Time (Market Time)	Communication Channel/s
1	Prepare pre-production environment AEMO will implement changes to its Registration and Dispatch systems in the pre-production environment.	<ul style="list-style-type: none"> N/A 	Prior to Mon 10 Jul 2023	<ul style="list-style-type: none"> N/A
3	Prepare production environment <ul style="list-style-type: none"> AEMO will implement changes to its wholesale systems in production. 	<ul style="list-style-type: none"> N/A 	Prior to Wed 09 Aug 2023	<ul style="list-style-type: none"> Support Hub Notification Email to NEM Reform Implementation Forum members and interested participants.
4	VF FCAS go-live <ul style="list-style-type: none"> AEMO notifies Participants that Registrations open for VF FCAS services. 	<ul style="list-style-type: none"> Interested, eligible providers can submit registration application/s to participate in VF FCAS. 	From Wed 09 Aug 2023	<ul style="list-style-type: none"> A notification will be posted on the FFR Initiative webpage. “NEM Reform Announcement” NEM Reform e-newsletter to subscribers of newsletter AEMO Communication newsletter article Announcement at following Implementation Forum, PCF and EWCF Email to NEM Reform Implementation Forum members and interested participants.
5	Participant support AEMO to facilitate FFR registration Q&A session if there is sufficient demand from Participants	<ul style="list-style-type: none"> Participants to advise AEMO if FFR Registration Q&A required. 	Aug/Sep 2023 (date TBC)	<ul style="list-style-type: none"> AEMO Communication newsletter article Announcement at following Implementation Forum, PCF and EWCF Email to NEM Reform Implementation Forum members and interested participants.

Approach for Industry Testing

Objectives

To optionally provide participants the opportunity to:

- prove their updated systems against AEMO's market systems.
- test end-to-end scenarios of updated processes and procedures.
- to contribute to their assessment of overall industry readiness for rule commencement.

Approach

Industry test allows industry participants to further test their system with AEMO's.

In particular to:

- perform pre-prod demonstration of ability to submit bids for Very Fast FCAS as part of the Registration process to provide the new very fast FCAS services. (Applicants established in Pre-prod to perform this demonstration.) Submit and verify FCAS bids via the FTP, API, or Markets Portal 'Energy & FCAS 5min Bids' capability.
- ingest pre-dispatch and dispatch instructions, FFR enhancements to Wholesale Data Interchange MMS Data Model (DISPATCH, P5MIN, PREDISPATCH, TRADING_DATA, FORCE_MAJEURE packages).
- regression test bid, dispatch, and Wholesale Data Interchange functionality (participating and non-participating providers for the new services).
- test bidding processes and automated energy/FCAS trading tools are working correctly.
- ingest Settlement changes for generators and load market customers showing recovery calculations for the new service i.e., Settlement reports and data model via Wholesale Data Interchange (Settlement and Billing packages) and download via Settlements Direct (Markets Portal application).

Participating in Fast Frequency Response industry testing

- FFR Industry Test Approach (Dates Indicative):
 - 9th August – FFR Services registration commences
 - Once registered participants can submit offers (effective 4/9 to mimic 9/10)
 - Existing FCAS participants can perform testing of offers
 - 28th August – Pre-dispatch to include FFR offers
 - 3rd Sept – 5min Pre-dispatch to include FFR Offers
 - 4th Sept – FFR Offers included in Dispatch Instructions
 - 15th / 18th Sept – Settlement run(s) (data approach and settlement week 36 TBC)

Industry Test Plan will be released and communicated via the [NEM Industry Testing Working Group \(ITWG\)](#) by 31 July 2023.

Those interested in FFR Industry Test participation are encouraged to join the ITWG.

FFR Service Go- live

- AEMO will enable participants on pre-production for industry testing once Registration applications are received and AEMO has performed initial checks and processing of applications. Interested participants are strongly encouraged to submit Registration applications as soon as possible from 9 August.
- Participants affected by settlement changes are also invited to participate in industry testing.
- Draft of FFR Go Live Plan to be release w/b 24th July

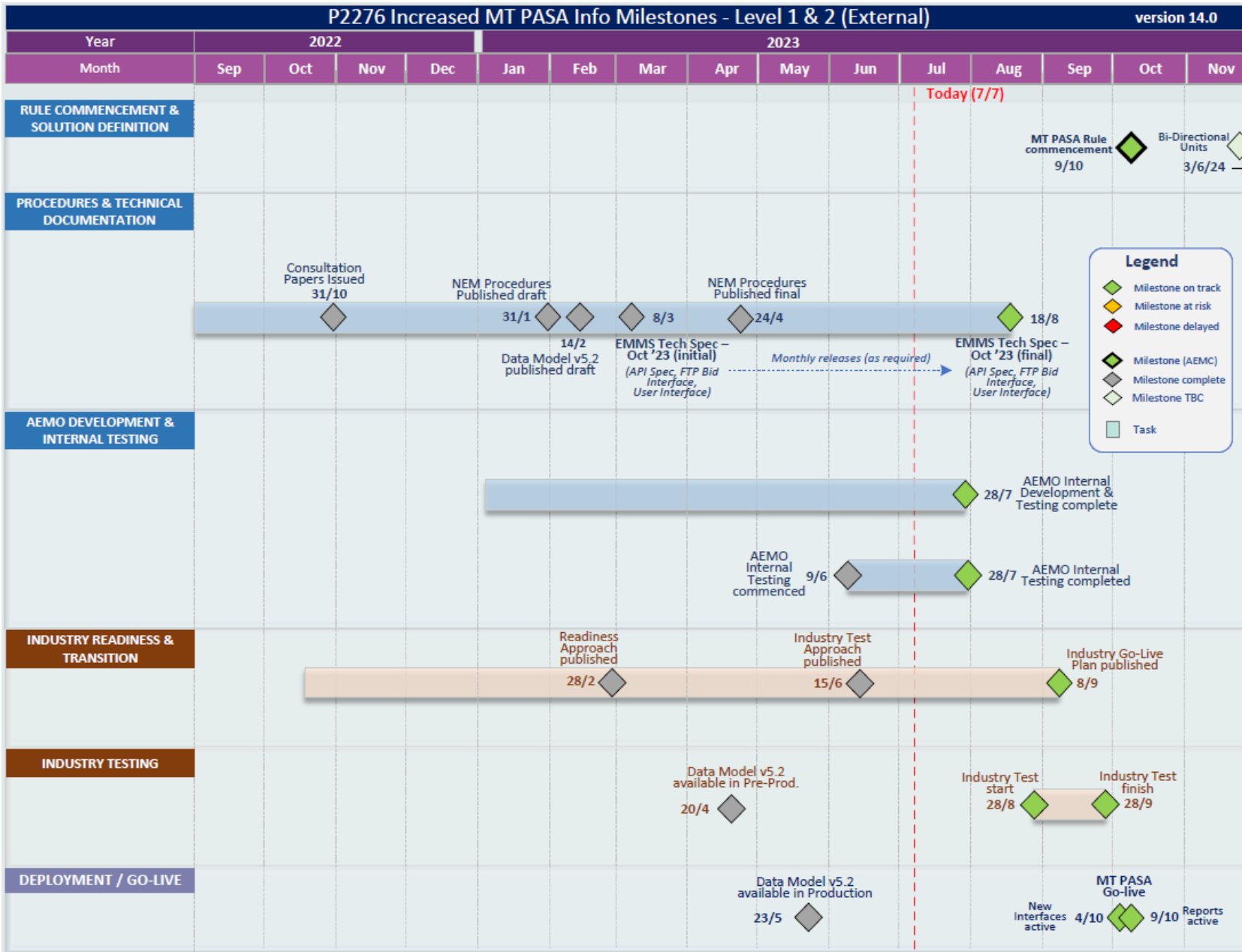




Increased MT PASA Information

Greg Minney

MT PASA Milestones and progress



Release Commentary

- Procedures draft consultation response period completed; no departure from proposed approach noted
- AEMO IT Design and development complete
- SIT 95% complete and UAT target completion 28/7
- EMMS Data Model release to Pre-production 20/4, production 23/5
- Full solution Technical Spec published 11/7
- Draft go-live plan target 31/7
- Industry Testing for participants to confirm updates – will mirror planned go-live timings

MT PASA Industry test approach

- MT PASA Capability for offer submission available in pre-prod from 28/8
- Participants will be able to submit offers via FTP, Web and API
- Data Model 5.2 supports MT PASA reporting
- Further detail on approach to be discussed with ITWG 27th July

Go-live criteria management: Industry checkpoint for Mt PASA release

INDUSTRY CHECKPOINT PURPOSE:

To provide assurance of implementation/rule commencement preparations ahead of the industry test period, allowing time for finalising AEMO's and participants' business preparations.

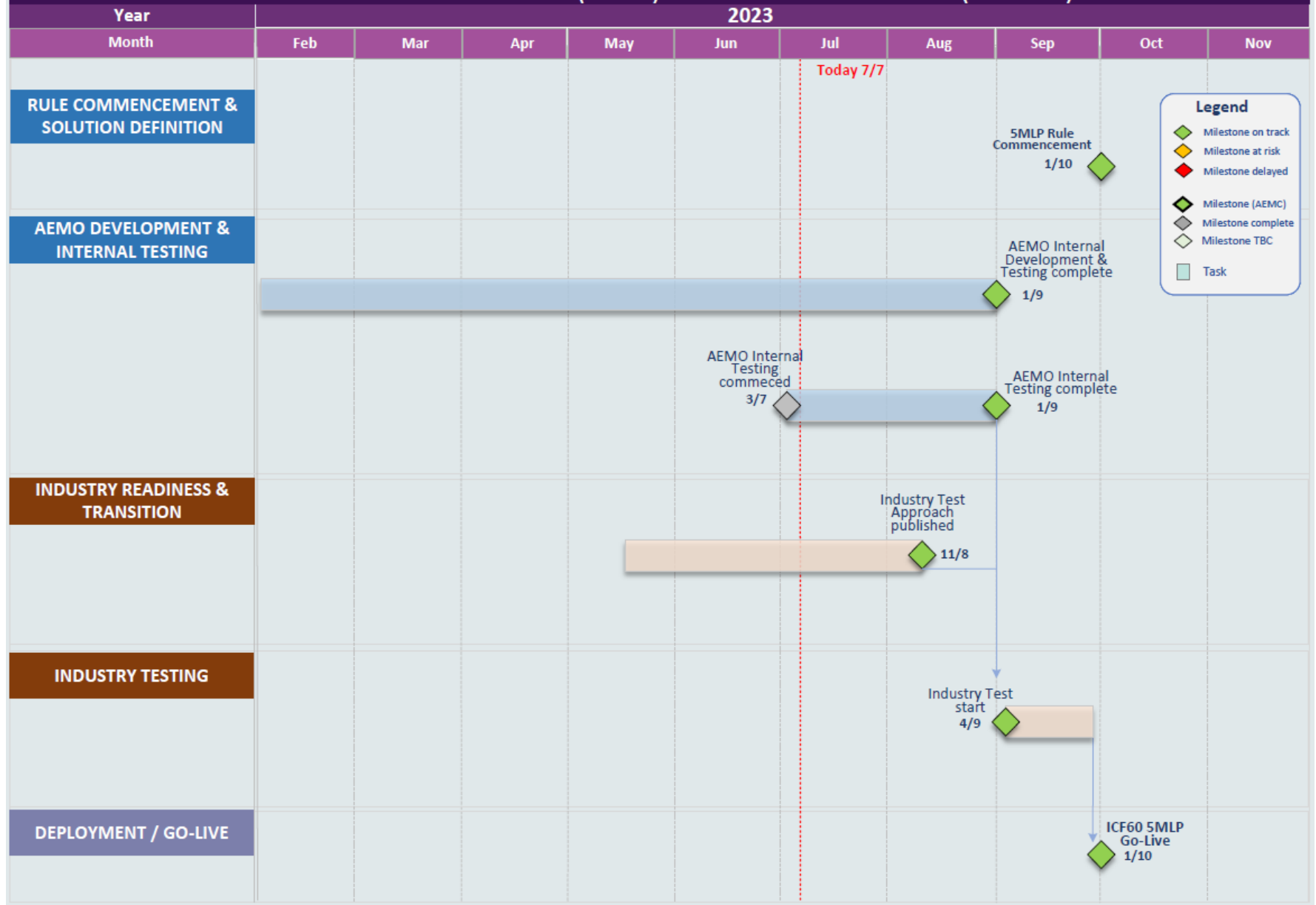
INITIATIVE	INCREASED MT PASA INFORMATION (04 and 09 Oct 2023): Improve the quality and transparency of information for future availability of generators	
CRITERIA	DESCRIPTION	STATUS: On Track for Industry Test start
Go-live criteria	<ul style="list-style-type: none"> AEMO solution tested in-line with requirements for: <ul style="list-style-type: none"> Enabling Participants to include "unit status" and "unit recall time" in bidding for MT PASA Reflecting updated offers in NEM Reports AEMO business ready to support MT PASA 	<ul style="list-style-type: none"> SIT 95% complete. Target completion Fri 14 Jul 2023. UAT Target completion Fri 28 Jul 2023. All business readiness preparations are completed or on target for completion for 9th October commencement.
	Participants obligated to provide MT PASA offers including additional information. Participant readiness activity is not a pre-requisite for go-live.	n/a
CONTINGENCY	AEMO to identify new committed readiness date and communicate to the AER	No current indication that contingency will be needed.

5MLP (ICF060)

Chris Fleming

5MLP Timelines

ICF60 5 Minute Load Profile (5MLP) Milestones – Level 1 & 2 (External) Version 3.0



Release Commentary

- AEMO testing is continuing to schedule
- Industry Test will run from 4 Sept to 28 Sept
- Effective date for 5MLP in production is 1/10

5MLP

- Procedure effective date for 5MLP change is 1 October
- Industry Testing period to run from 4 Sept to 28 Sept
- Validation of 5MLP changes in Preprod to be via RM Reporting based on 180 days data in the following sequence:
 - Baseline runs with weights (current profiling methodology)
 - Baseline runs without weights (current profiling methodology)
 - Run with new methodology (without weights)
- Participants can compare the profiling outcomes via the relevant RM reports (RM20, RM16, RM17, also potentially UFE RM reports)

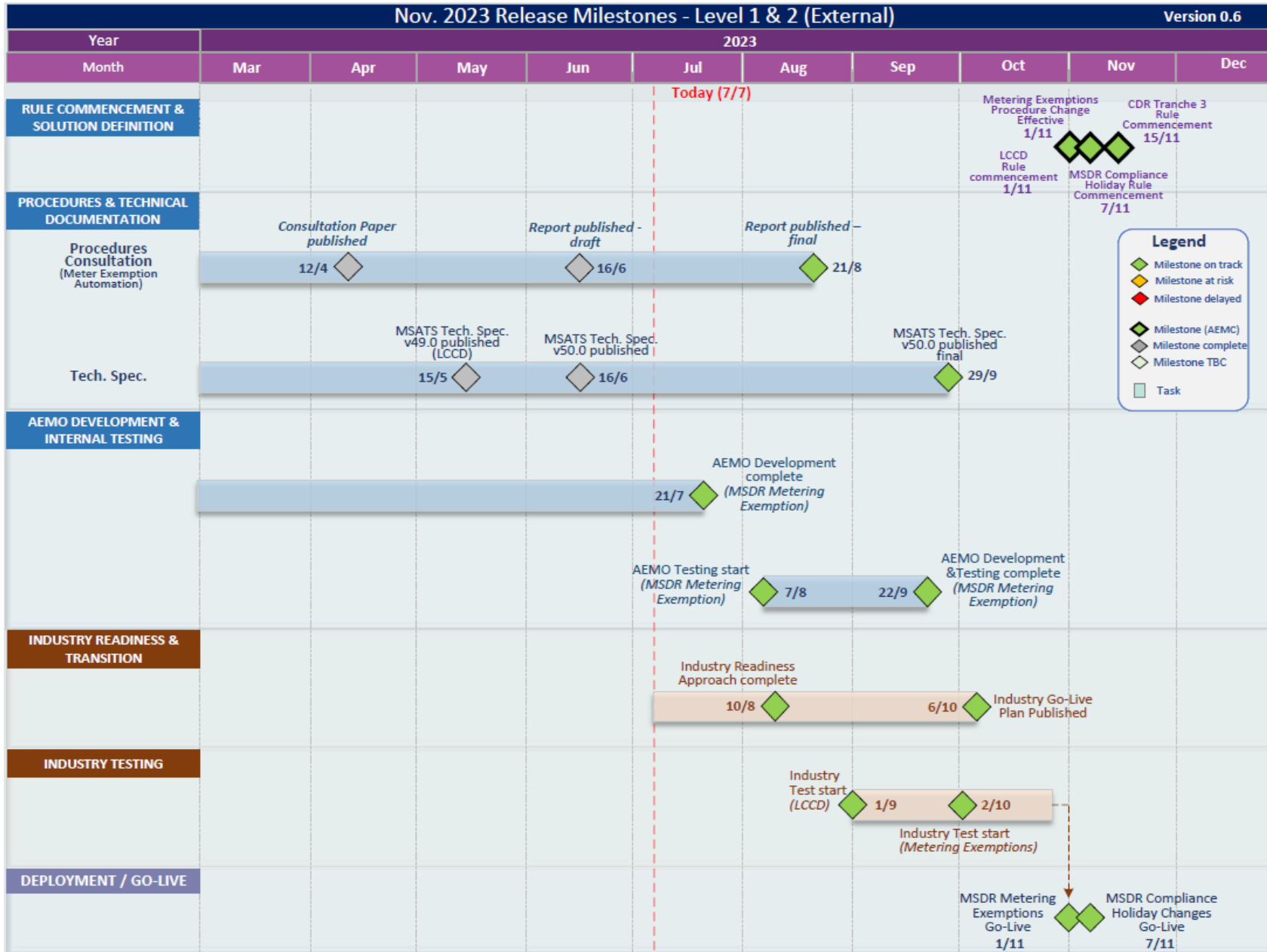
5. November 2023 Release



November Release Progress Summary

Chris Fleming / Karen Clarke

November 2023 Timelines



Release Commentary

- MSATS development for Meter Exemptions is now in system test
- Effective date for LCCD in pre-prod is 1/09, production effective date is 1/11
- Industry Test Start date for Meter Exemptions 2/10
- Compliance holiday ends for Meter Register Standing Data Items and ConnectionConfiguration 7/11
- Searching on unstructured addresses will be turned off from 7/11
- CDR Tranche 3: Retailers with >10k customers from 15/11

November Release Readiness Approach

The November Release contains multiple components and effective dates

Component	Summary	Scope	Pre-Prod Date	Production Date
Meter Exemptions process	<p>Meter Exemptions (new/updated) to move to automated process.</p> <p>MCs must use MSATS Browser or API to lodge/update Meter Exemptions (certificate required) Manual process no longer supported per Obligations</p>	<p>MCs will be able to create and extend Meter Exemptions via browser or API. AEMO will migrate current Meter Exemptions during the release to Pre-Prod/Prod</p>	2nd October	1st November
LCCD (Last Consumer Change Date)	<p>Last Consumer Change Date required to be published in relevant CRs</p>	<p>FRMPs to provide LCCD when using the following CRs: 1030/1040 5056/5057 *Note – No bulk update to occur. Production updates to occur organically.</p>	1st September	1st November
CDR (Consumer Data Rights)	<p>Consumer Data Rights requests to be supported by Tranche 3 (>10k customers)</p>	<p>Tranche 3 joining Tranche 1 & 2 in requirement to support CDR requests from ADRs (Accredited Data Recipient) No formal Industry Testing. AEMO will support via usual channels. Participants will need to arrange access/certs for APIs with Support Hub</p>	Now	15th November
MSDR (MSATS Standing Data Review)	<p>MSATS Standing Data New and modified fields take effect</p>	<p>MSDR Compliance Holiday end. Effective from 7 November.</p> <p>Enforcement of Change Request mandatory field validations for:</p> <ul style="list-style-type: none"> • ConnectionConfiguration: mandatory for CR5000 series. • CRs 3004, 3005, 3050, 3051, 3080, 3081, 3090, 3091 <ul style="list-style-type: none"> • Manufacturer • Model • Use <p>where ElectricityMeter/Status is Current.</p> <ul style="list-style-type: none"> • UnstructuredAddress No longer searched when undertaking NMI Discovery or returned for: CATS Reports (C1, C4, C7), MSATS Snapshot Report. <p>Industry test to align with Metering Exemptions: 2 October to 28 October .</p>	2nd October	7th November

Go-live Criteria Management

Go Live Criteria Management summarises the criteria for decision making on readiness for the initiative to go-live in line with rule commencement timeframes and the efficient operation of the NEM and approach for the initiative

Readiness Component	Proposed Initiative Approach
Go-Live Criteria	Go-Live criteria will reflect Technical Readiness for go-Live – <ul style="list-style-type: none"> • Meter Exemptions: APIs and browser functionality available & Data Migration complete • LCCD: Attribute delivered with B2M r43 • CDR: APIs available to all FRMPs • MSDR:MSATS changes implemented to align with end of Compliance Holiday
Criteria Components	<p>Solution Readiness: System Changes required to meet initiative requirements and ongoing stability of existing processes</p> <p>AEMO Business Readiness: Procedures and business operations in place</p> <p>AEMO IT Support Readiness: IT operational support for solution in place</p> <p>Participant Readiness:</p> <ul style="list-style-type: none"> • Meter Exemptions: MCs must be able to use MSATS browser or API (arrange connectivity with AEMO). AEMO will no longer accept ‘in-writing’ requests (per procedure) • LCCD: FRMPs must be on B2M r43 to submit the LCCD field • CDR: Tranche 3 participants must be able to meet Obligation (note that Participants will need to arrange API connectivity with AEMO) • MSDR: Participants must be on (minimum) B2M r42 to provide mandatory attributes from November 7th Participants will be unable to search on unstructured address. Browser will no longer show unstructured address details.
Go-live Decision Management	Decision Milestone to be established for communication of: <ul style="list-style-type: none"> • Technical Go-Live – Decision point for proceed decision based on criteria evaluation, at least 1 month prior to procedure commencement <p>Note: AEMO has no dependency on Participants for the November Release. Participants will need to be compliant with updated Procedures & Obligations post end of compliance holidays.</p>

Initiative Readiness Reporting

Initiative Readiness Reporting outlines the form of participant readiness reporting required to meet go-live criteria decisions, and provide industry wide view on the progress towards implementation for AEMO and Industry. The approach considers whether the initiative requires formalised participant readiness reporting to be implemented

Readiness Component	Proposed Initiative Approach	Rationale
Formal Participant Readiness Reporting	November Release will not require formalised participant readiness reporting	No dependency on participant readiness
AEMO progress reporting	Progress reporting against defined L1/ L2 milestones as component of PCF and Implementation Forum reporting. Includes milestones at risk and impact on Go-Live Decisions	

November Release Industry Test Approach

Objectives

To provide participants the opportunity to:

- prove their updated systems against AEMO's market systems.
- test end-to-end scenarios of updated processes and procedures.
- to contribute to their assessment of overall industry readiness for rule commencement.

Approach

CDR

LCCD - CR5056 & CR5057 available for Industry Test in pre-prod from 1 Sept.

Testing is optional for participants.

Registration and pre-prod testing of CDR APIs is via the BAU process.

MSDR

MSDR Compliance Holiday end / removal of unstructured address search effective 7 November. Industry Test is optional for Participants.

Industry Test will be unstructured. Participants will be encouraged to test the respective CR3000 and CR5000 series CRs to ensure compliance with the additional validation.

Participants will also need to ensure that there are no processes dependent on the searching or return of unstructured addresses

Industry Test timing – 2 October to 28 October.

Metering Exemptions

Industry testing will be by invitation and will be open to MCs.

Existing metering exemption data will be migrated to MSATS in readiness for the Industry 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 \(aemo.com.au\)](https://www.aemo.com.au/obtain-a-new-certificate)

AEMO will progress metering exemptions to enable lifecycle testing of exemptions and generation of CRs (CR5101)

Industry Test timing – 2 October to 27 October. AEMO is assessing options to make APIs available at an earlier date to increase the Industry test window.

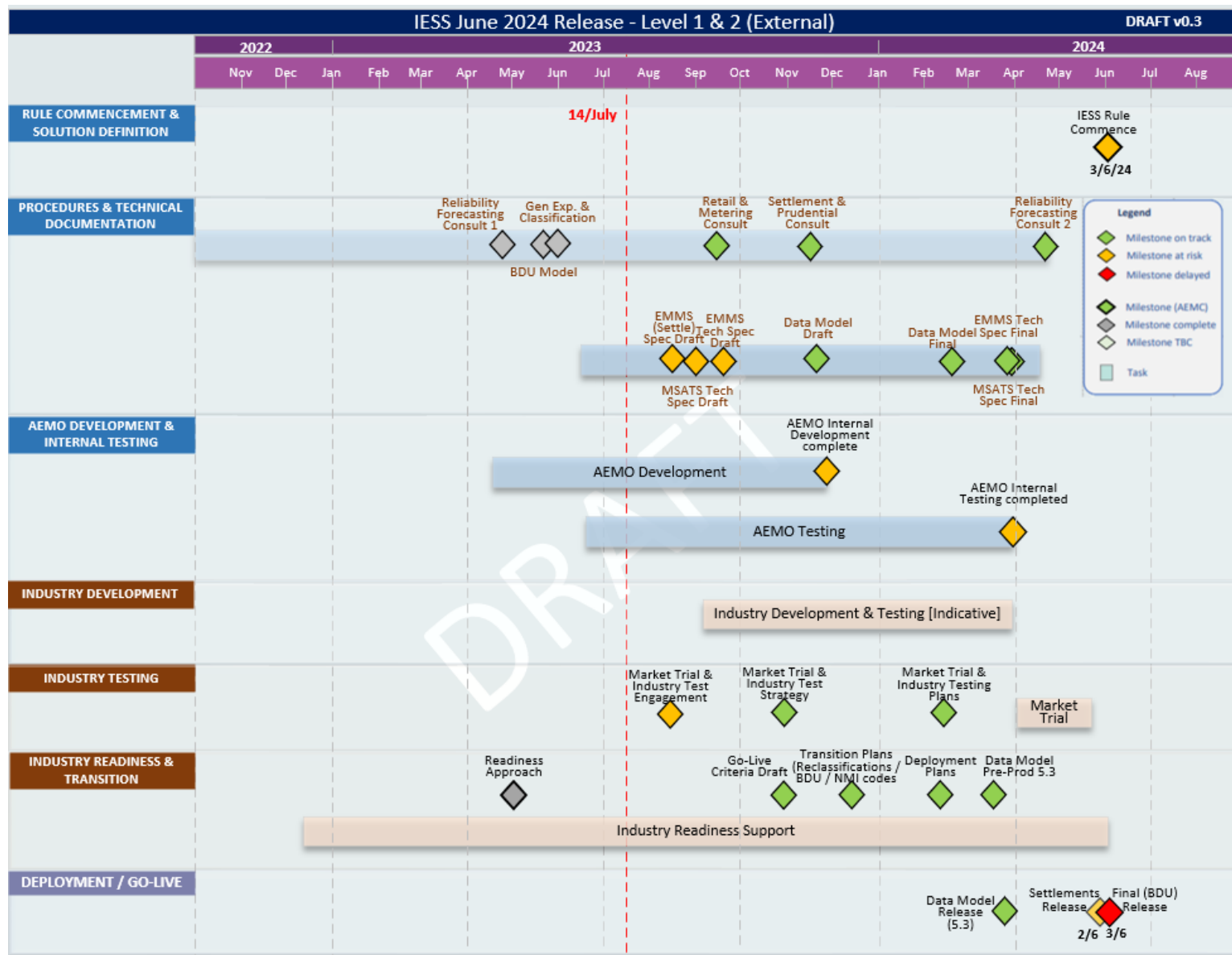
Metering Exemptions - MSDR

- Procedure consultation has been published on the [AEMO's website](#).
- Draft Procedure has been published
- Submission period for the draft report closed on 17 July

Stage	Date
Consultation paper published	12 April 2023
Submissions due on consultation paper	12 May 2023
Draft report published	16 June 2023
Submissions due on draft report	17 July 2023
Final report published	21 August 2023

6. June 2024 Release

June 2024 - IESS Final Release



RELEASE COMMENTARY

- [Procedures consultation](#) in progress via EWCF/ ERCF*
- Settlements information session Tue 18 Jul.
- BDU model information session Mon 24 Jul.
- AEMO development and internal testing completion milestone rated Amber. AEMO is confirming development resource and delivery approach in line with June rule commencements.
- AEMO reviewing participant support requirements and approach for both Settlement and BDU implementations.
- **Seeking feedback on IESS Settlements participant support options by Fri 28 Jul.**
- Following milestones being defined and confirmed:
 - Draft technical documentation
 - Industry readiness support
 - Industry Testing and participant development support
 - Transition and go-live plans

*Electricity wholesale / retail consultative forums

IESS settlements: Next steps

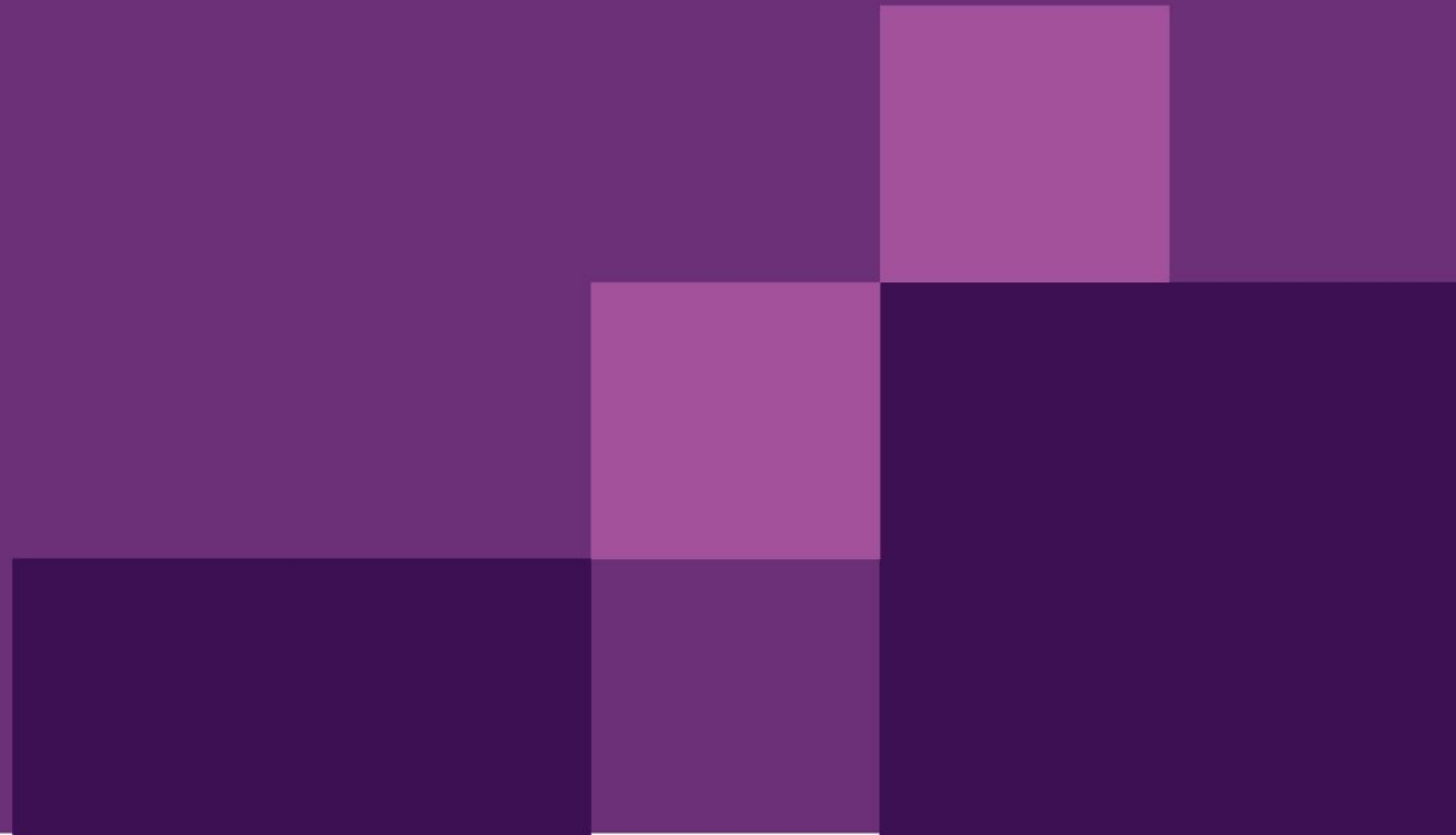
- AEMO is exploring value of (a) “transition” approach and (b) development environment with participants before a decision is made to proceed (given the significant extra development and testing work required)
 - IESS settlement workshop held Tue 18 Jul 2023
 - 1to1 conversations with some participants in June/July
- Participants to provide feedback on pros and cons of transition approach and development environment for their business to AEMO by **Fri 28 July** via any of:
 - IESS@aemo.com.au
 - 1to1 conversation
 - Workshop

BDU implementation: Next steps

Over the past few months, AEMO has sought detailed feedback from stakeholders on the implementation design and industry transition for the Bidirectional Unit (BDU) model.

Wed 31 May	IESS project provided an overview of feedback received and resulting responses, including adjustments to the BDU model design.
Mon 19 Jun	AEMO received a further request from some participants to engage further on the costs, benefits and timing of the BDU model.
Wed 12 Jul	AEMO provided PCF with update on feasibility of earlier implementation support
Mon 24 Jul	BDU stakeholder workshop, including BDU final design and transition info pack: <ul style="list-style-type: none"> • Allows participants to plan and scope their BDU implementation • Supports early conversations with vendors • Does not have sufficient technical detail for development certainty.
Late Sep 2023	Publish draft EMMS tech spec (milestone date TBC)
Late Nov 2023	Draft EMMS data model released (milestone date TBC)
TBC	BDU support environment. Indicative scope: <ul style="list-style-type: none"> • Bid interface updates • Data Model changes related to bids • Out of scope: settlement, other downstream processes

IESS market testing approach



Purpose

- IESS market testing approach will:
 - Be the basis for managing, coordinating, monitoring and reporting on AEMO's and NEM participants' market testing activities and results
 - Align with/support the IESS industry readiness approach and related artefacts.

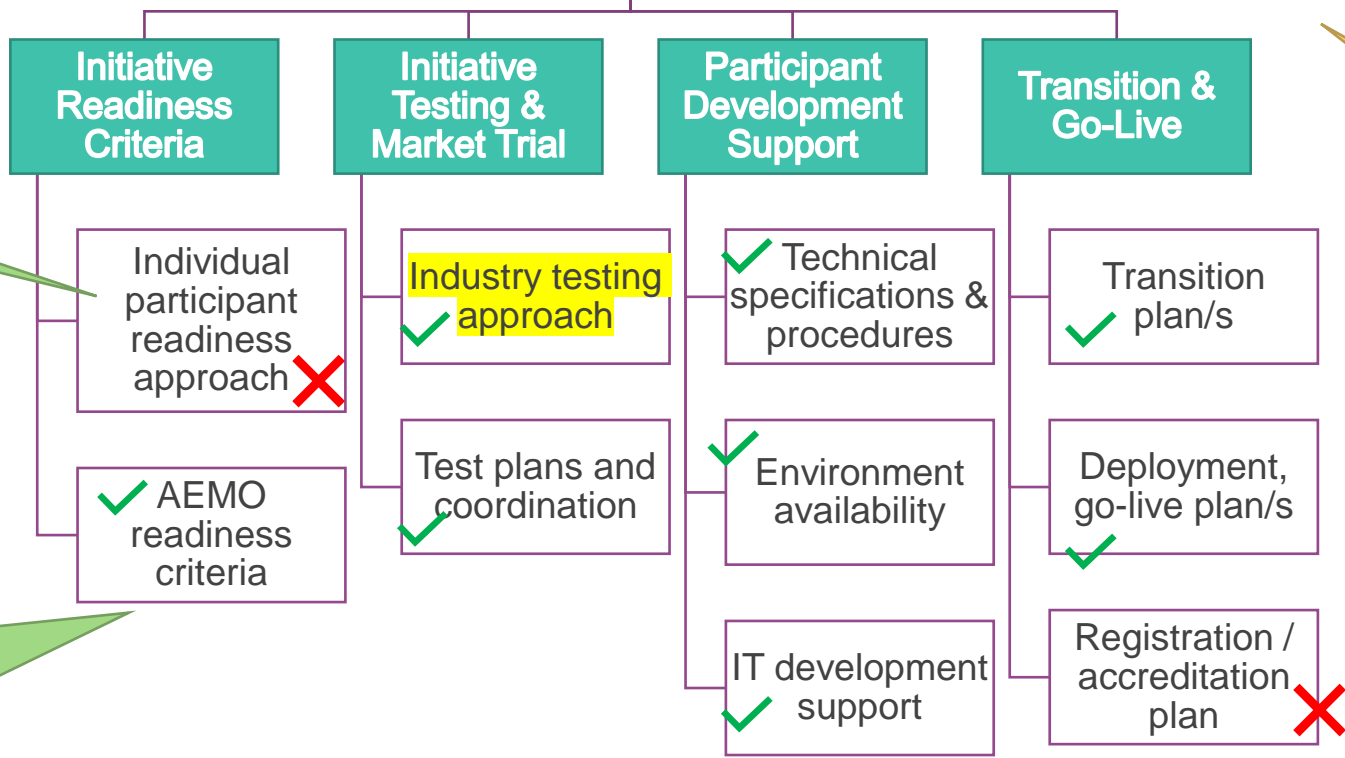
Refresher: NEM Reform program industry strategy

NEM REFORM READINESS STRATEGY (ALL INITIATIVES)

IESS JUNE 2024 READINESS APPROACH

Individual participant (or participant category) readiness is **NOT** a dependency for go-live.

- AEMO Market systems updated and tested
- AEMO business needs to be ready to operate
- AEMO IT support needs to be in place



IESS readiness approach adopts the standard NEM Reform program framework

RISK & CONTINGENCY MANAGEMENT ✓

INITIATIVE READINESS REPORTING & GO-LIVE CRITERIA MANAGEMENT ✓

Defining ‘market testing’

- “Market testing” refers to the testing performed between NEM participants and AEMO to validate whether the updates made to NEM participants’ market interfacing systems and AEMO’s market systems comply with the IESS rule and procedural arrangements.
- Market testing is conducted in preproduction as a final stage before deployment to production.

Type of market testing	Description	Example
Industry testing	Self-testing of functionality such as connectivity, and/or coordinated multiparty testing of functional scenarios	Testing a change request (CR) or processing a reallocation
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	Settlement runs reflecting updated NECR processes.

IESS June 2024: Indicative Market testing approach & scope

WHO?	Market testing for the June 2024 IESS changes is voluntary. Participants likely to be interested in market testing are: <ul style="list-style-type: none"> • FRMPs, generators, customers, IRPs, SGAs, MSRPs for IESS settlement changes • IRPs for BDU changes 	
WHEN?	April - May 2024	Industry testing / market trial

#	Proposed Scope – Test Activities TBC
1	Settlement runs covering periods post Go-Live utilising new methodology including provision of relevant RM reports
2	Settlement runs covering periods prior to Go-Live utilising existing methodology including provision of relevant RM reports
3	Test standing data bulk update of classification code during cutover to new Integrated Resource Provider (IRP)
4	Test transition of BDU's from dual to single DUID (Dependent on participant requirement)
5	Test creation of new single BDU DUID (via Registration)
6	Test new BDU bidding processes are working correctly
7	Test ingest pre-dispatch and dispatch enhancements covering (DISPATCH, P5MIN, PREDISPATCH, TRADING_DATA, FORCE_MAJEURE packages) instructions for new BDU DUID's
8	Regression test bid, dispatch, and Wholesale Data Interchange functionality

AEMO is seeking input on other test/trial scenarios to be considered for inclusion/exclusion from market testing scope.
 **Please provide feedback by Fri 18 Aug via iess@aemo.com.au **

Next steps

Action	Responsible	By
Provide initial feedback on proposed IESS market testing approach	Implementation Forum members	Fri 18 Aug 2023
<ul style="list-style-type: none"> • Draft market testing approach document based on feedback received • Publish for industry comment 	AEMO	Fri 08 Sep 2023
Provide feedback on Draft IESS market testing approach	Implementation Forum members and affected participants	Fri 22 Sep 2023
<ul style="list-style-type: none"> • Prepare final market testing approach document based on feedback received • Publish for industry reference 	AEMO	Mon 16 Oct 2023

ONGOING INDUSTRY ENGAGEMENT VIA NEM REFORM FORUMS

7. Other initiatives

Strategic / Foundational Initiatives

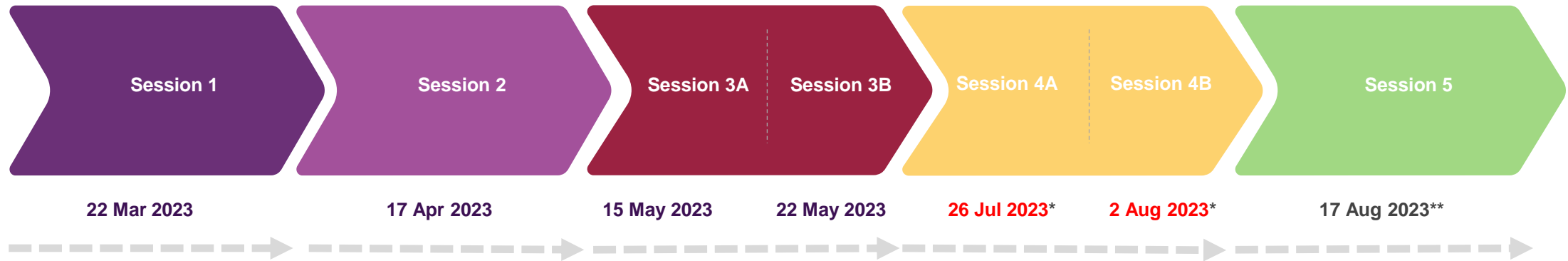
Identity & Access Management
Industry Data Exchange
Portal Consolidation





Ulrika Lindholm

Industry Consultation update

FOR NOTING

- AEMO has considered options for a second schedule change, noting the recent feedback discussed through Program Consultative Forum asking to incorporate additional time for industry consideration of the transition strategy, and in respect of AEMO's resource availability and how changes in AEMO's timeline affects participant's time and resource commitments.
- Additionally the AEMO team has in the development of materials for the transition strategy concluded that there will be less technical specific content to discuss with the technical focus group members in a separate workshop.
- Transition Strategy workshops 4A and 4B are therefore proposed to be run as mixed business and technical forum on each of the two Session 4 dates;
 - 4A workshop walks through the conceptual approach and captures initial inputs and considerations from industry
 - 4B considers the initial feedback and discusses proposed strategy, seeking in-principle agreement of focus group alignment.



Session	Introduction – IDX, IDAM & PC	Discovery Workshops – IDAM and PC	Target State Discussion	Transition Strategy	Conclusions and Business Case
Agenda*	<ul style="list-style-type: none"> • Introduce initiatives • Outline workshop plan 	<ul style="list-style-type: none"> • Pain points and benefits • Survey 	<ul style="list-style-type: none"> • Concept walkthrough • Survey 	<ul style="list-style-type: none"> • Transition Strategy • Impacts & Benefits • Survey 	<ul style="list-style-type: none"> • Summary • Options
Audience					

Legend:  Business Focus Group  Technical Focus Group  All interested stakeholders who nominated to Focus Groups

* Dates changed as per 14 July. An updated version of this pack will be distributed after the meeting.

** Date for the Business case workshop to be informed by progression of Transition strategy. The initial 17 August will remain in calendar until further notice.

8. Upcoming Engagements

Upcoming Engagements

July						
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					

August						
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		

September						
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

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				

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	
IESS Settlement Workshop	
IESS BDU Workshop	

Other Forums

AEMO Consumer Forum	
Market Systems User Group (MSUG)	

Other

Natioanl Public Holiday	
State/Territory Public Holiday	

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

9. 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.



For more information visit

aemo.com.au