

NEM Reform Implementation Forum

Meeting #22
28 May 2024



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	2024 / 2025 Release Summary	Greg Minney
4	1:20–1:30pm	Pre-production <ul style="list-style-type: none"> Refresh timings Data Model releases 	Chris Fleming
5	1:30–1:55pm	June 2024 Release <ol style="list-style-type: none"> Release update & milestone review Market trial update Industry go-live update BDU cutover plan Post go-live support 	Emily Brodie, Greg Minney & Chris Fleming
6	1:55-2:15pm	September 2024 Release <ul style="list-style-type: none"> Retail Improvements – Progress Update Readiness Approach Feedback Draft Go-live Criteria 	Greg Minney

#	Time	Topic	Presenter
7	2:15-2:20pm	October Release <ul style="list-style-type: none"> October – SCADA Lite Progress Update 	Greg Minney
8	2:20-2:30pm	December 2024 Release / June 2025 FPP Release <ul style="list-style-type: none"> Progress Summary 	Oliver Derum
9	2:30-2:40pm	Other Initiatives <ul style="list-style-type: none"> Accelerated smart meter deployment (MSR) 	Justin Stute
10	2:40-2:45pm	Stakeholder Engagement <ul style="list-style-type: none"> Upcoming Engagements 	Ulrika Lindholm
11	2:45–3:00pm	General Questions & Other Business <ul style="list-style-type: none"> Participant environment support 	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

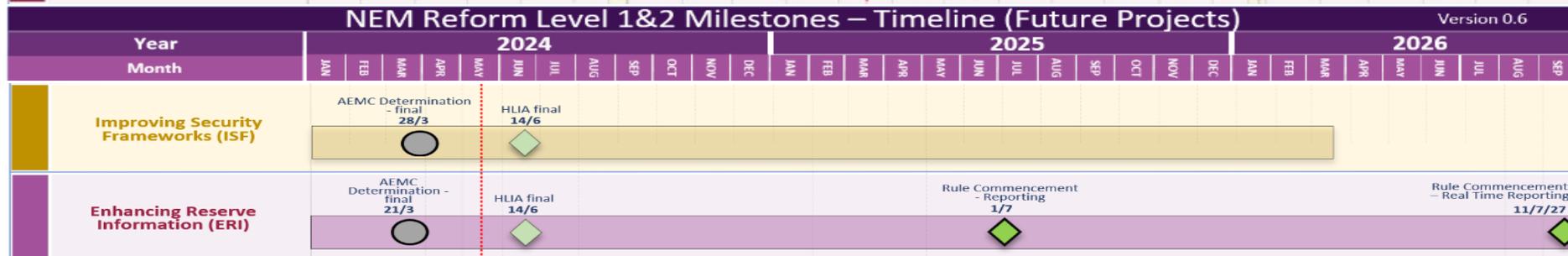
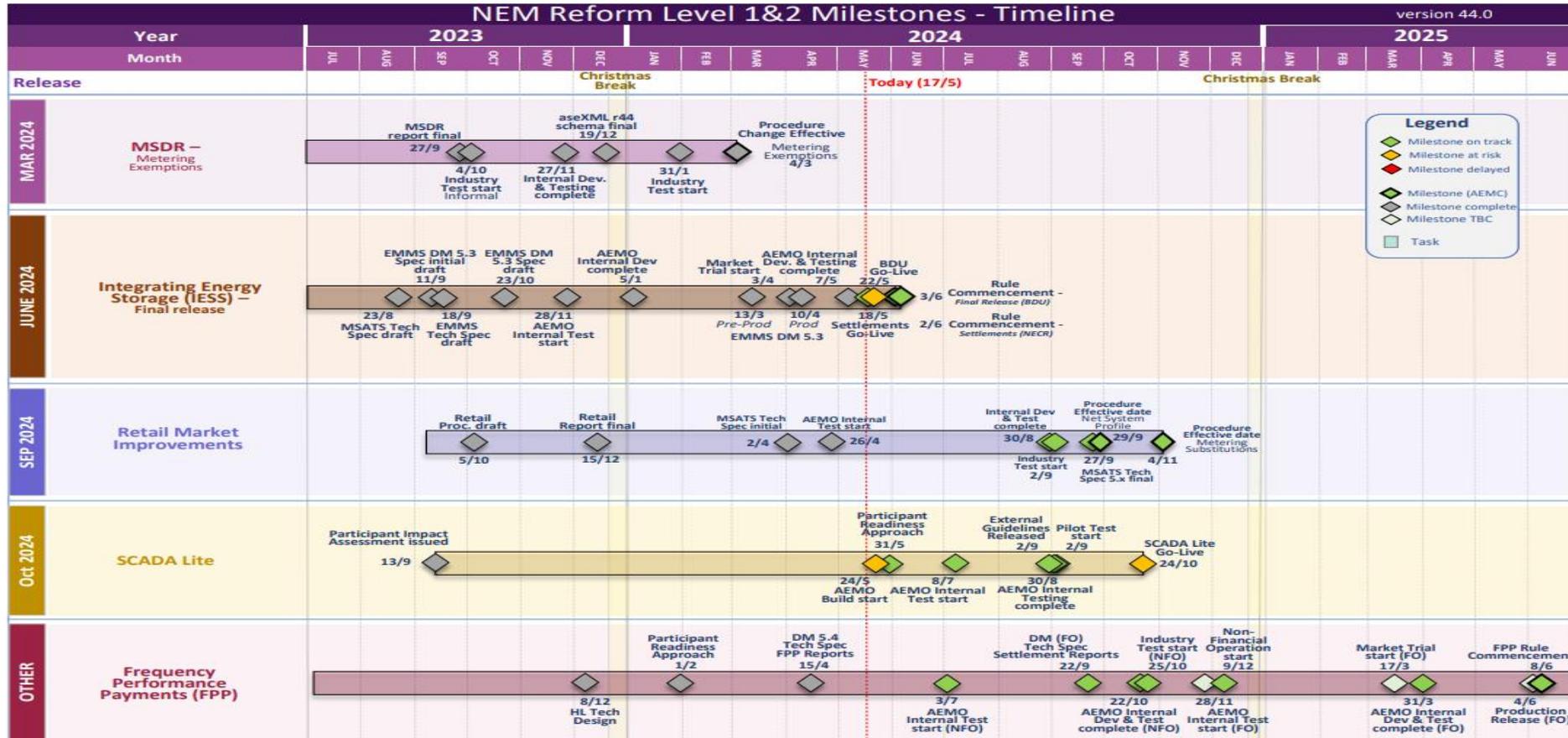


No Actions Recorded

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

3. 2024 / 2025 Release Summary

Release Summary milestones



4. Pre-Production Availability

Pre-Prod / PDSE Key dates



Proposed Pre-prod dates and outage timings

- Next pre-prod refresh is scheduled for 1st July to 5th July to support the September 2024 release (Retail refresh only).
- Subsequent Pre-prod Wholesale and Retail refresh is planned for late Q1 2025 (date TBC) to support FPP (FO) Industry Test.

Data Model 5.4

- Data Model 5.4 to be available in Pre-Prod from 25th October.

PDSE

- Access to PDSE will be removed from Fri 07 Jun 2024

5. June 2024 Release



Integrating Energy Storage Systems into the NEM

Luke Barlow / Greg Minney/ Chris Fleming

IESS June 2024 updates



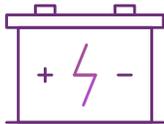
1. Release update & milestone review



2. Market trial update



3. Industry go-live update



4. Refresher: BDU transition and cutover



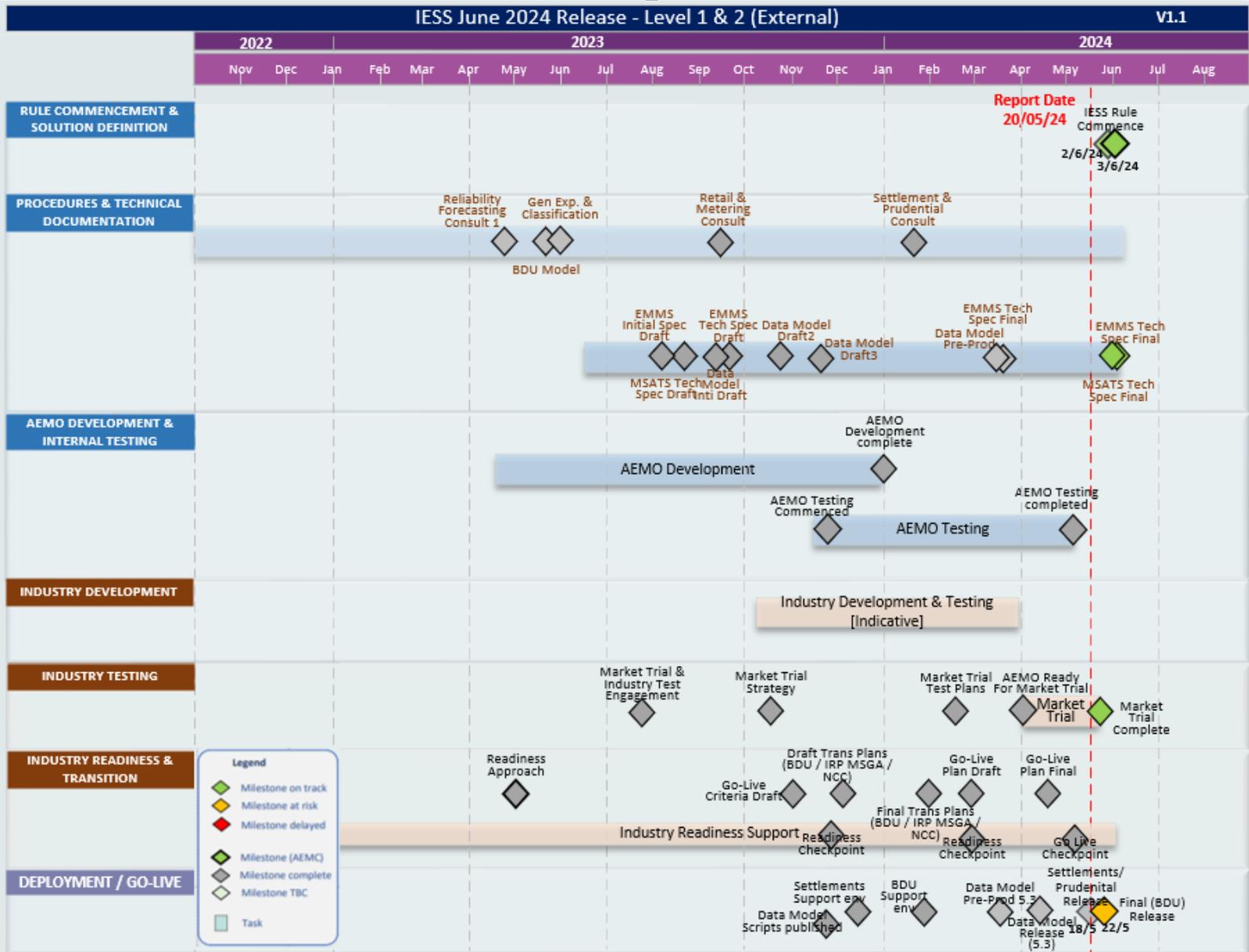
5. Post go-live support



1. Release update & milestone review

Emily Brodie

1. Release update



RELEASE COMMENTARY

OVERALL PROJECT STATUS is rated **AMBER**.

- Recognises final deployments required for successful rule commencement

AEMO DEVELOPMENT, TESTING AND DEPLOYMENT

- Production deployments for Retail, Settlements/ Prudentials, Registrations complete.
- Dispatch applications scheduled for deployment 22/5.
- Due to solution design supporting the IESS Rule effective date, Portfolio Management System (PMS) changes will be applied 31/5 to enable IRP transition for 2/6, and Bidding Services changes will be deployed 3/6.

INDUSTRY TESTING AND MARKET TRIAL

- commenced 03 April.
- Successfully completed BDU cutover for Pilot participant
- IRP and Settlement scenarios had 1 day delay.
- Market trial phases 1, 2 & 3 are complete (discussed in this session)

PROCEDURE CONSULTATIONS have all been completed. There are 2 documents and 2 checklists identified as needing terminology updates in Connections area that will be updated through AEMO's Connection Reform Initiative Activities. All documents are progressively being finalised and approved for publication on AEMO's website.

TECH SPECS AND DATA MODEL

- complete:
- EMMS Data Model v5.3 successfully released into Production
 - Data model v5.3 final tech spec released 15/04.
 - EMMS & MSATS tech specs released.

INDUSTRY READINESS:

- 3x IESS transition plans – finals published Wed 31 Jan.
- BDU Transition timings established
- Final Industry go-live plan published Fri 19 Apr, reissued 10/05 to reflect updated schedule
- Industry will continue to be supported during project hypercare period (June 2024).

IESS June Milestone Table - Past



IESS Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed
Level 1	IES-100	AEMC Final Determination Published (Integrating energy storage systems into the NEM)	2-Dec-2021	2-Dec-2021	Complete	
Level 2	IES-110	IESS High level Design final	7-Jul-2022	7-Jul-2022	Complete	
Level 2	IES-210	Reliability Forecasting Consultation 1	28-Apr-2023	28-Apr-2023	Complete	
Level 1	IES-120	BDU Model Finalised	31-May-2023	31-May-2023	Complete	
Level 1	IES-211	Guide to Gen. Exp. & Classification - Final documents published	1-Jun-2023	1-Jun-2023	Complete	
Level 2	IES-300	MSATS Technical Specification draft available	7-Aug-2023	23-Aug-2023	Complete	
Level 2	IES-301	EMMS Data Model 5.3 specification - Initial Draft	11-Sep-2023	11-Sep-2023	Complete	
Level 2	IES-302	EMMS June 24 Technical Specification (Draft)	18-Sep-2023	18-Sep-2023	Complete	
Level 1	IES-213	Retail Metering Procedures Final Published	18-Sep-2023	18-Sep-2023	Complete	
Level 2	IES-303	Industry Test and Market Trials Strategy Draft published	22-Sep-2023	22-Sep-2023	Complete	
Level 2	IES-304	EMMS Data Model 5.3 specification - Draft 2	9-Oct-2023	23-Oct-2023	Complete	
Level 2	IES-305	Industry Test and Market Trials Strategy complete	17-Oct-2023	17-Oct-2023	Complete	
Level 2	IES-306	Go-Live Criteria draft/establish	30-Oct-2023	30-Oct-2023	Complete	
Level 2	IES-307	EMMS Data Model 5.3 specification - Draft 3	13-Nov-2023	20-Nov-2023	Complete	
Level 2	IES-308	AEMO Internal Testing commenced	20-Nov-2023	28-Nov-2023	Complete	
Level 2	IES-309	Draft Data Model 5.3 scripts published	22-Nov-2023	22-Nov-2023	Complete	
Level 2	IES-310	Initiative Readiness Checkpoint	28-Nov-2023	28-Nov-2023	Complete	
Level 2	IES-311	Transition Plan Draft (BDU / IRP MSGA / NCC)	15-Dec-2023	1-Dec-2023	Complete	
Level 2	IES-312	Settlements Participant Support Environment available	15-Dec-2023	15-Dec-2023	Complete	
Level 1	IES-217	AEMO Development complete	22-Dec-2023	5-Jan-2024	Complete	
Level 2	IES-313	BDU Participant Development Support Environment available	22-Jan-2024	24-Jan-2024	Complete	Confirmed
Level 1	IES-314	Settlements & Prudentials Procedures published	29-Jan-2024	25-Jan-2024	Complete	Confirmed
Level 2	IES-315	Transition Plan Final (BDU / IRP MSGA / NCC)	31-Jan-2024	31-Jan-2024	Complete	Confirmed
Level 2	IES-316	Market Trial Test Plan complete	16-Feb-2024	16-Feb-2024	Complete	Confirmed
Level 2	IES-317	Industry Go-Live Plan Draft published	26-Feb-2024		Complete	Confirmed
Level 1	IES-318	Initiative Readiness Checkpoint	1-Mar-2024	1-Mar-2024	Complete	Confirmed
Level 2	IES-218	EMMS Data Model 5.3 Released to Pre-Production	27-Feb-2024	13-Mar-2024	Complete	Confirmed

IESS June Milestone Table: Future



IESS Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed	
Level 2	IES-107	AEMO Development & Testing complete	28-Mar-2024	7-May-2024	Complete	Confirmed	Milestone has been completed to support application Production deployment for the IESS Rule Commencement.
Level 2	IES-320	AEMO Ready for Market Trial	2-Apr-2024	3-Apr-2024	Complete	Confirmed	
Level 1	IES-321	MSATS & EMMS Technical Specification final available	2-Apr-2024	3-Jun-2024	Green	Confirmed	Final is published upon Go Live. No further changes anticipated.
Level 1	IES-108	Market Trial start	2-Apr-2024	3-Apr-2024	Complete	Confirmed	
Level 1	IES-319	EMMS Data Model 5.3 final specification available	12-Mar-2024	15-Apr-2024	Complete	Confirmed	
Level 2	IES-219	EMMS Data Model 5.3 Released to Production	10-Apr-2024	10-Apr-2024	Complete	Confirmed	
Level 2	IES-323	Settlement Certification complete	19-Apr-2024	29-Apr-2024	Complete	Confirmed	
Level 2	IES-324	Industry Go-Live Plan Final published	19-Apr-2024		Complete	Confirmed	
Level 2	IES-325	Go-Live Checkpoint	1-May-2024	3-May-2024	Complete	Confirmed	
Level 2	IES-326	Market Trial complete	24-May-2024		Green	Confirmed	Market Trial closed Wed 22 May.
Level 2	IES-220	IESS Settlements Go-Live	2-Jun-2024	18-May-2024	Complete	Confirmed	Expected Date (Deployment date) has shifted to accommodate outage needed which will be planned to be performed on a Saturday. No impact to Participants' deployments. Complete this period.
Level 1	IES-327	Rule Commencement Date - Settlements [NECR]	2-Jun-2024		Green	Confirmed	Internal testing complete.
Level 2	IES-221	IESS BDU Go-Live	3-Jun-2024	22-May-2024	Amber	Confirmed	Amber reflection of overall schedule. Expected Date (Deployment date) has shifted to accommodate the completion of internal testing. No impact to Participants; deployments.
Level 1	IES-109	IESS Final Release [BDU] - Rule Commencement	3-Jun-2024		Green	Confirmed	



2. Market Trial Update

Chris Fleming

IESS market trial update



Scope: Pilot testing plus 3 main phases, supported by daily stand-up meetings

PHASE	TIMING	STATUS	COMMENTS
Pilot: BDU cutover	Mon 08 Apr to Tue 16 Apr	✓ Complete	Pilot BESS successfully cutover to BDU in pre-production.
Phase 1: Standing data	Wed 03 Apr to Fri 12 Apr	✓ Complete	Retail & registration standing data successfully updated.
Phase 2: Settlements – NECR changes	Wed 03 Apr to Wed 08 May	✓ Complete	<ul style="list-style-type: none"> • Some defects identified and remedied. • Some discrepancies identified due to the timing of AEMO and Participant refresh timings. • No outstanding defects.
Phase 3: BDU cutover	Fri 19 Apr to Fri 24 May	✓ Complete	<p>Selected participant transition from 2DUID to 1DUID:</p> <ul style="list-style-type: none"> • Wed 01 May: Simulated cutover #1 of 6 BESS to BDU successfully completed. • Wed 15 May: Simulated cutover #2 of 3 BESS to BDU successfully completed. • BDU bidding and dispatch: No outstanding defects • Learnings from IESS market trial will be captured and worked through with industry prior to BDU production cutovers.



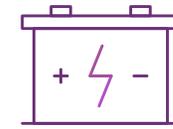
3. Industry go-live update

Greg Minney

Industry go-live update



GO-LIVE ELEMENT	STATUS AND COMMENTS
✓ Procedures	All consultations complete. All documents are progressively being finalised and approved for publication on AEMO's website.
✓ Data model & tech specs	Complete. No more changes expected.
✓ AEMO internal testing	Complete. Some internal AEMO applications are undergoing some final testing. Does not impact participant interfaces or ability to meet the rule commencement dates.
✓ Market trial	Complete. See prior section.
✓ Go-live checkpoint	Complete. Industry was advised 03 May that AEMO expects to meet the IESS rule commencement dates of Sun 02 and Mon 03 June 2024.
✓ AEMO deployments	<ul style="list-style-type: none"> • Complete for Retail, Registration, Settlements and Prudentials. • Dispatch changes scheduled for 22 May. • Final PMS changes to support IRP Transition scheduled 31 May. • Bidding changes scheduled for 3 June
➤ Hypercare (June 2024)	Ready – see section 5
➤ IRP Transition(SGA)	Scheduled for 2 June
➤ NCC update for DGEN	Scheduled for 3 June effective 2 June
➤ BDU transition (from July 2024)	Ready. See next section.



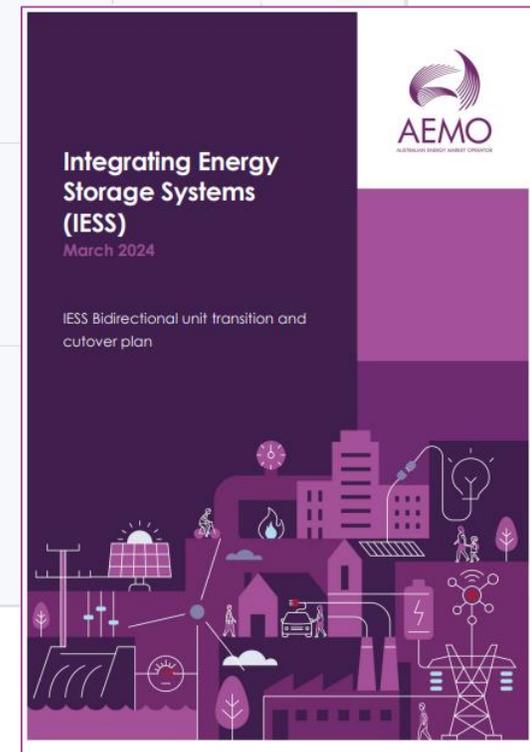
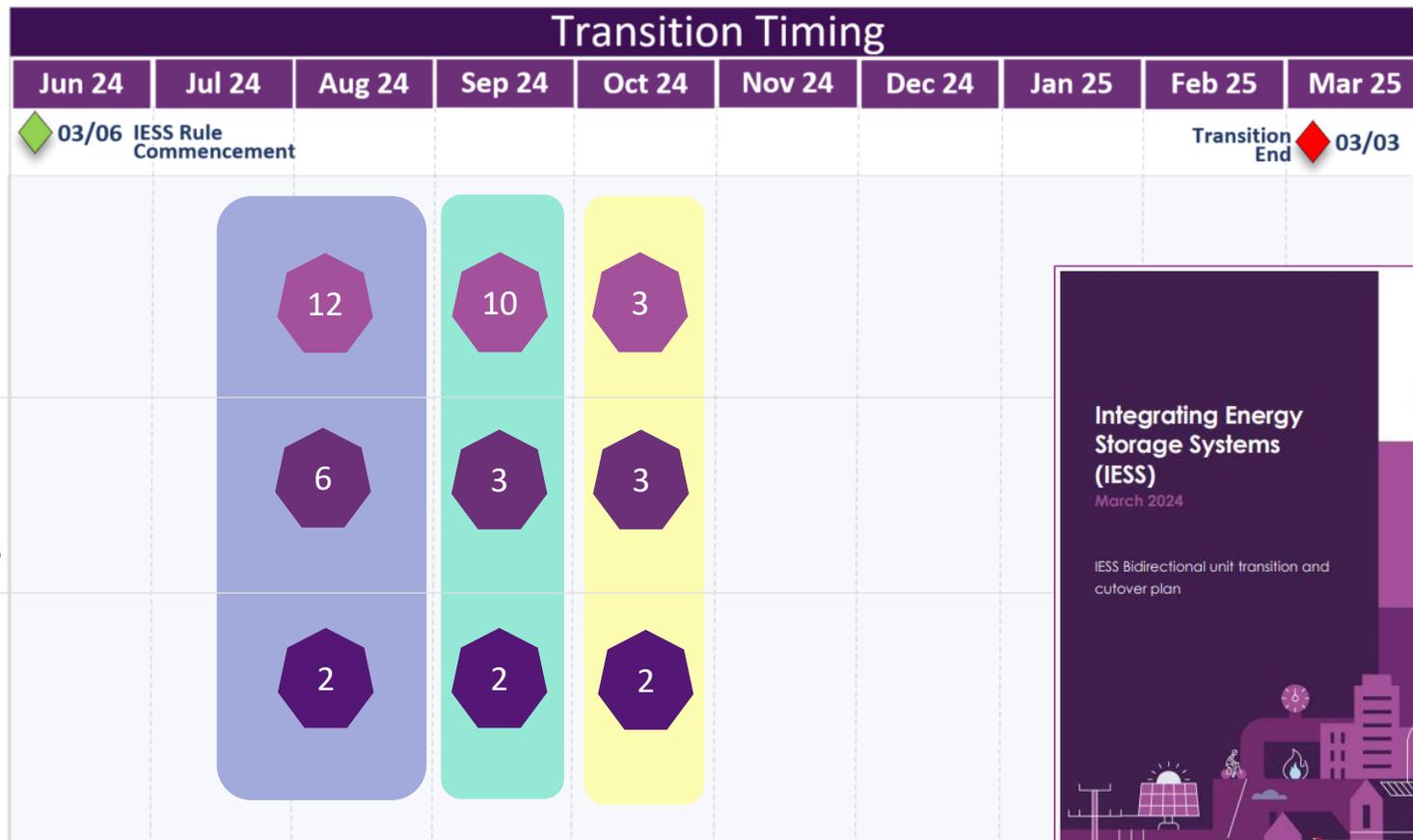
4. Refresher: BDU transition and cutover

Emily Brodie

Indicative BDU transition timing



- Detailed [BDU cutover plan](#) developed with industry
- Many factors considered in development of cutover schedule e.g.
 - time of day,
 - day of week,
 - region,
 - operational matters,
 - Vendor/ participant preferences etc
- BDU cutover has been successfully tested with a pilot and in market trial
- Dedicated AEMO BDU cutover manager has been assigned to provide coordination between affected participants and AEMO.





5. Post go-live support

Emily Brodie

Hypercare and post go-live support



POST GO-LIVE SUPPORT ACTIVITY

Post go-live support

- Post go-live Q&A
 - Tue 04 Jun 2024: Supports NCC and IRP changes
 - Wed 19 Jun 2024: Follows the first Prelim Settlement run after go-live (14 June)
- Please follow BAU processes and raise system issues to support.hub@aemo.com.au
- Hypercare will be in place until 28 June 2024 to provide heightened support if any issues emerge because of the IESS June 2024 release.

BDU transition

- Mid-June TBC: BDU readiness focus group session to:
 - Debrief on learnings from Phase 3 of IESS market trial
 - Prepare for BDU cutovers in production
- AEMO will maintain the BDU transition schedule
- Participants are requested to inform AEMO of any changes required to their allocated transition dates as soon as practicable.
- BDU transition and cutover enquiries and communications to be via NEMReform@aemo.com.au

PDSE closure

- PDSE will close on Fri 07 Jun 2024, as discussed above (Pre-production availability section)

IESS mailbox

- IESS mailbox IESS@aemo.com.au will remain open for the IESS hypercare period only, noting that:
- BAU enquiries to be via support.hub@aemo.com.au
 - NEM reform program queries to be via NEMReform@aemo.com.au
 - BDU transition and cutover enquiries and communications to be via NEMReform@aemo.com.au

6. September 2024 Release

September 2024 Retail Market Improvement Release

- Net System Load Profile (NSLP) Methodology (ICF_072)
 - Considers situations where positive and negative NSLP trading interval values are present.
 - When positive and negative NSLP trading interval values are present, significant fluctuations, or ‘spikes’, are observed when the NSLP is applied to these reads.
 - The new methodology will manage these situations by applying a minimum (non-zero) ‘floor’ to the applicable values.
 - Procedure Effective Date 29 Sept 2024
- Substitution Types review (ICF_054)
 - Intends to provide recipients a clearer understanding of the method and reason why a substituted metering data value has been received
 - This review has resulted in seven new substitution types; the obsolescence of substitution type 16; and the addition of 10 new Reason Codes.
 - These changes are expected to lead to more efficient downstream processes and reduced manual handling
 - Procedure Effective Date 4 November 2024

September – Retail Improvements – Milestones

September 2024 - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	Status	RAG	Tentative / Confirmed	Commentary
Level 2	RMI-201	Retail Procedures draft issued	5-Oct-2023	5-Oct-2023	Complete		Confirmed	
Level 2	RMI-202	Retail Report final report	15-Dec-2023	11-Dec-2023	Complete		Confirmed	
Level 2	RMI-211	MSATS Tech Spec initial	27-Mar-2024	2-Apr-2024	Complete		Confirmed	Issued for publication. Published on 2/4. No participant impact.
Level 2	RMI-207	AEMO Internal Testing start	1-May-2024	26-Apr-2024	Complete		Confirmed	
Level 2	RMI-203	Readiness Approach published	26-Apr-2024	2-May-2024	Complete		Confirmed	
Level 2	RMI-204	Go-Live Criteria published	29-Apr-2024	16-May-2024	Complete		Confirmed	Publication deferred to 16th May.
Level 2	RMI-212	MSATS Tech Spec final	27-Sep-2024			Green	Confirmed	
Level 2	RMI-205	Industry Test Strategy published	28-Jun-2024			Green	Confirmed	
Level 2	RMI-206	AEMO Internal Development complete	31-May-2024	20-Jun-2024		Amber	Confirmed	Development timeframe extended. No impact to testing timeframe.
Level 2	RMI-208	AEMO Development & Testing complete	30-Aug-2024			Green	Confirmed	
Level 1	RMI-101	Industry Test start	2-Sep-2024			Green	Confirmed	
Level 2	RMI-209	Retail Market Improvements Go-Live checkpoint	29-Aug-2024			Green	Confirmed	
Level 2	RMI-210	Industry Go-Live Plan published	9-Sep-2024			Green	Confirmed	
Level 1	RMI-102	Retail Market Improvements Go-Live	29-Sep-2024			Green	Confirmed	
Level 1	RMI-103	Net System Profile - Procedure Effective Date	29-Sep-2024			Green	Confirmed	
Level 1	RMI-104	Metering Substitution - Procedure Effective Date	4-Nov-2024			Green	Confirmed	

Context: NEM Reform program industry strategy

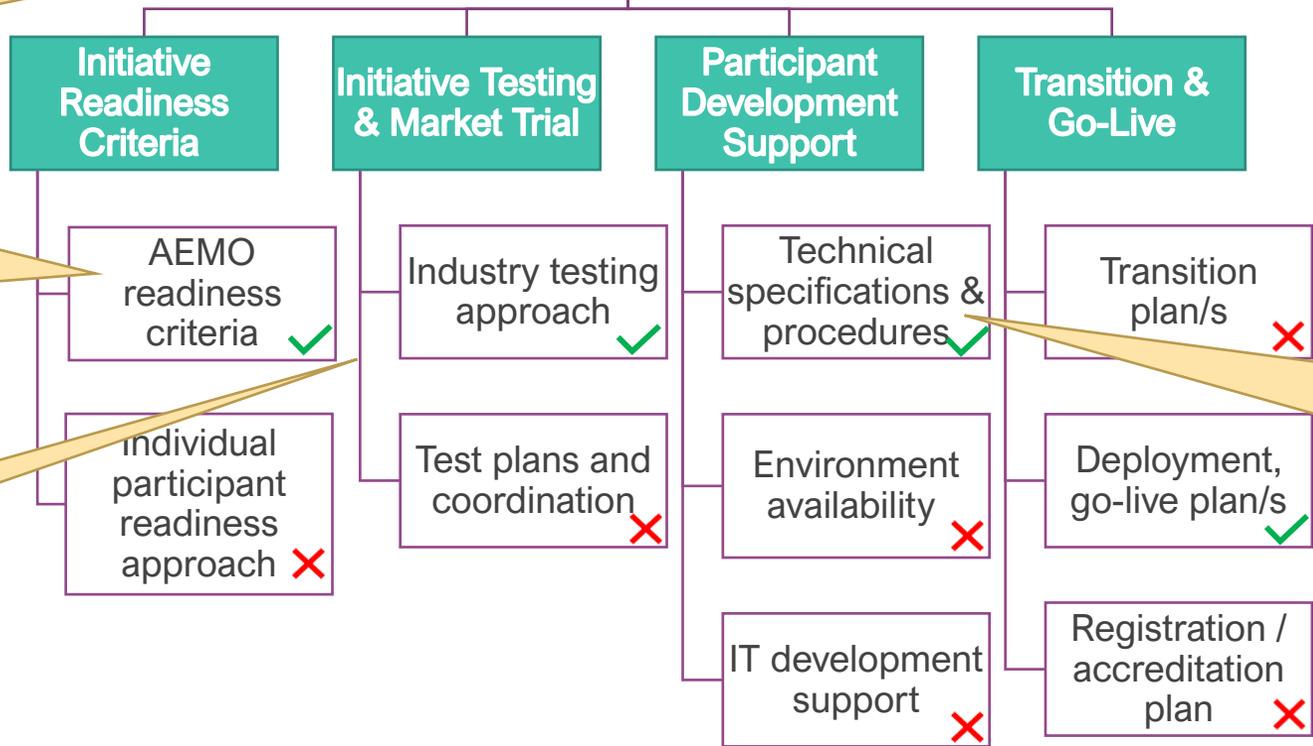
NEM REFORM READINESS STRATEGY (ALL INITIATIVES)

PROPOSED READINESS APPROACH for RMI September 2024

RMI September 2024 readiness approach adopts the standard NEM Reform program framework

AEMO solution and business must be ready.

Bilateral testing for ICF_054



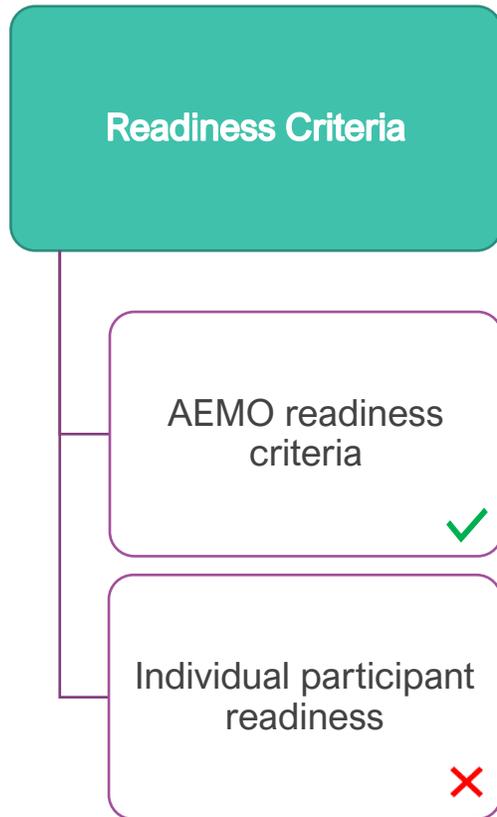
- Procedures updated
- MSATS tech spec published

Progress against milestones & checkpoints

RISK & CONTINGENCY MANAGEMENT ✓

INITIATIVE READINESS REPORTING & GO-LIVE CRITERIA MANAGEMENT ✓

Elements of proposed RMI September 2024 readiness approach: Readiness criteria

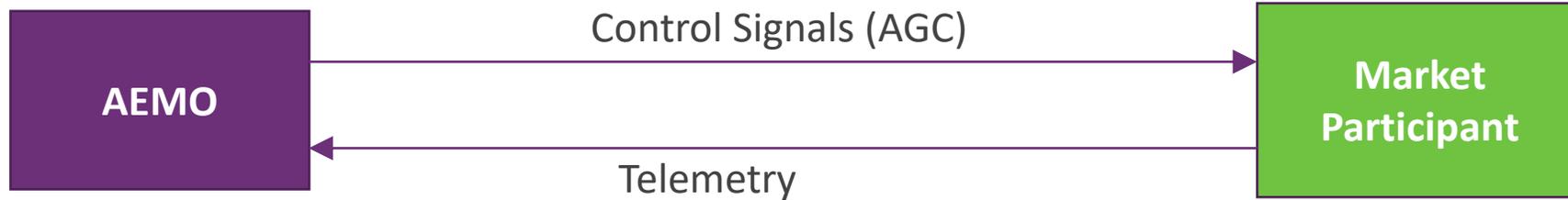


INITIATIVE	RMI September 2024 will deliver two ICFs (Issue / Change Form): <ol style="list-style-type: none"> ICF_072 NSLP Methodology – Effective Date 29 September 2024 ICF_054 Substitution Types Review - Effective Date 04 November 2024 <ul style="list-style-type: none"> Go-live criteria will reflect AEMO Technical Readiness for go-live Participant readiness is not a criteria for go-live Go-live criteria management will provide updates on milestone progress communicated to industry
AEMO READINESS	AEMO technology and systems tested in-line with requirement to: <ul style="list-style-type: none"> ICF_072 NSLP: Utilise revised calculation methodology ICF_054 Substitution Types Review: <ul style="list-style-type: none"> New Substitution Types and Reason Codes will be ready for commencement of rule change. Substitution Type (16) will be retired. AEMO business operations and processes in place to support: <ul style="list-style-type: none"> Revised NSLP calculation methodology Modified Substitution Types AEMO IT Operations ready to: <ul style="list-style-type: none"> Provide technical support for modified substitution types
PARTICIPANT READINESS	Participant readiness activity is not a dependency for go-live. <ul style="list-style-type: none"> AEMO does not propose to monitor participant readiness. However, participants must be capable of providing or accepting modified substitution codes (where applicable)
CONTINGENCY	Contingency approaches to be developed during implementation

7. October Release

October – SCADA Lite

Initiative summary: SCADA Lite release



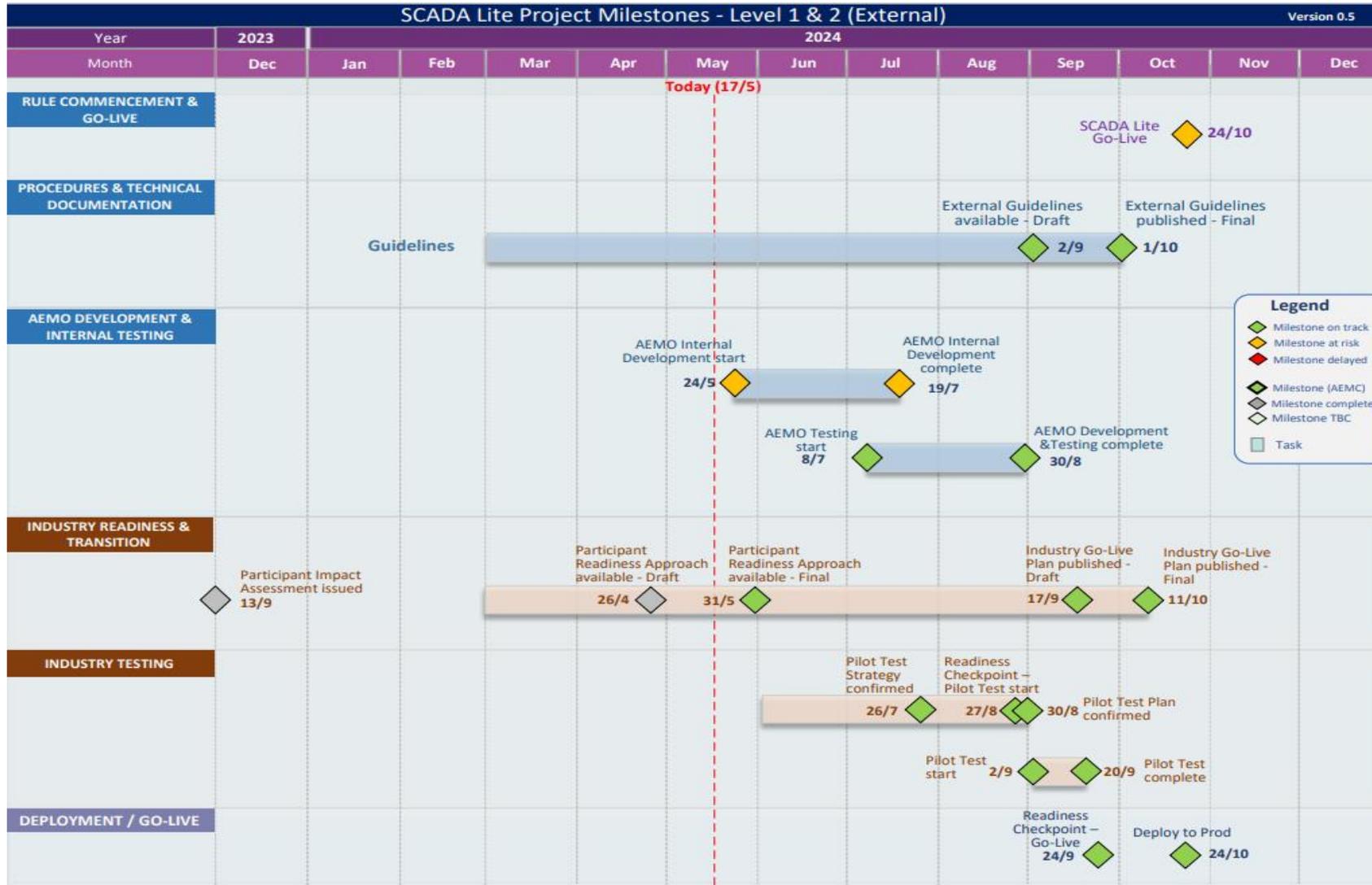
Provide a new capability for a market participant to establish a bi-directional communication path to exchange telemetry data and control signals with AEMO such that they can participate in the wholesale market. Specifically:

- Demand Response Service Providers (DRSP) providing Wholesale Demand Response (WDR).
- Generators or Integrated Resource Providers not able to exchange information or controls with AEMO via an NSP.

AEMO proposes to implement this capability via a pilot test with a selected participant to prove the service option. When working correctly the SCADA Lite service will be made available in Production to all eligible participants.

AEMO will report on progress against the established milestones – via implementation forum and PCF. No broader working groups are envisaged during the implementation process

SCADA Lite – Milestones Timeline



Progress Summary

- Architectural design has been approved following the completion of POC with detail design activities commencing.
- Test strategy activities are commencing.
- Procurement of required hardware to start this reporting period.
- Build activities to commence after first goods received during procurement process.
- Overall implementation schedule being confirmed to accommodate procurement activity

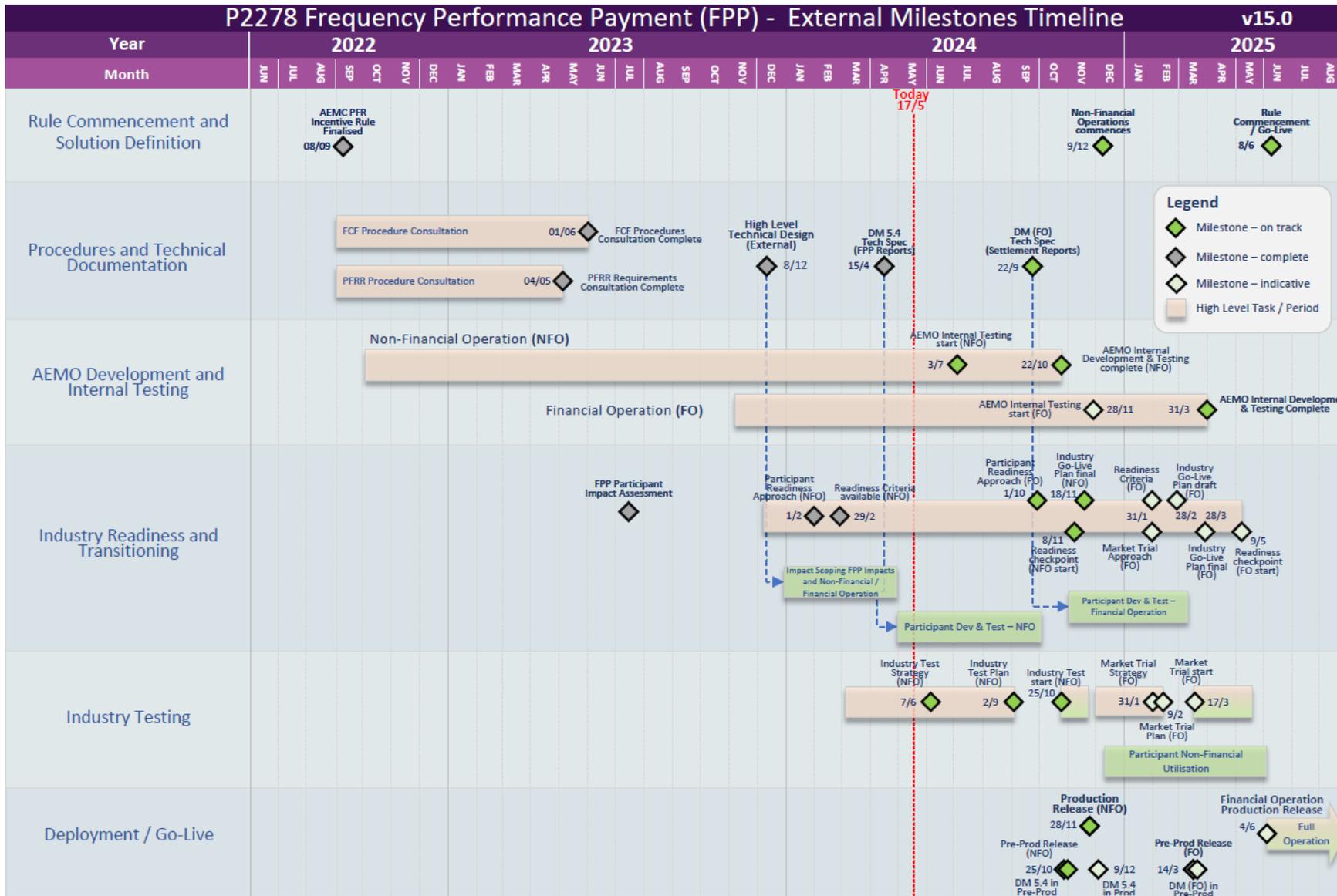
SCADA Lite – milestones

SCADA Lite Project - Level 1 & 2 Milestones (External)

ID	Level	Milestone	Project	Target Date	Expected Date	Status	RAG	Tentative / Confirmed	Comments
SCL-201	Level 2	Participant Impact Assessment issued	SCADA Lite	13-Sep-2023		Complete		Confirmed	
SCL-202	Level 2	Participant Readiness Approach available - Draft	SCADA Lite	23-Apr-2024	26-Apr-2024	Complete		Confirmed	
SCL-203	Level 2	AEMO development and internal testing commences	SCADA Lite	24-May-2024			Amber	Confirmed	PoC outcomes may impact the timeframes for build/configuration tasks
SCL-203	Level 2	Participant Readiness Approach available- Final	SCADA Lite	31-May-2024			Green	Confirmed	
SCL-204	Level 2	Participant Readiness and Go-live Criteria published	SCADA Lite	31-May-2024			Green	Confirmed	
SCL-205	Level 2	Pilot Test Strategy confirmed with participant	SCADA Lite	26-Jul-2024			Green	Confirmed	
SCL-101	Level 1	AEMO development and internal testing complete	SCADA Lite	30-Aug-2024			Green	Confirmed	
SCL-206	Level 2	Readiness Checkpoint - Pilot Test Start	SCADA Lite	27-Aug-2024			Green	Confirmed	
SCL-207	Level 2	External Guidelines available - Draft	SCADA Lite	2-Sep-2024			Green	Confirmed	
SCL-208	Level 2	Pilot Test Plan confirmed with participant	SCADA Lite	30-Aug-2024			Green	Confirmed	
SCL-102	Level 1	Pilot test period commences	SCADA Lite	2-Sep-2024			Green	Confirmed	
SCL-209	Level 2	Industry Go-live Plan published - draft	SCADA Lite	17-Sep-2024			Green	Confirmed	
SCL-103	Level 1	Pilot Test Complete	SCADA Lite	20-Sep-2024			Green	Confirmed	
SCL-210	Level 2	Readiness checkpoint - Go-live	SCADA Lite	24-Sep-2024			Green	Confirmed	
SCL-211	Level 2	External Guidelines published - Final	SCADA Lite	1-Oct-2024			Green	Confirmed	
SCL-212	Level 2	Industry Go-live Plan published - final	SCADA Lite	11-Oct-2024			Green	Confirmed	
SCL-104	Level 1	Production Release	SCADA Lite	24-Oct-2024			Amber	Confirmed	Prod release at risk of delay due to PoC outcome impacts on build/config timeframes

8. December 2024 / June 2025 FPP Release

Frequency Performance Payments (FPP) Milestones Timeline



Progress Summary

- Overall project status **GREEN**
- AEMO development in progress and due to be completed at the end of June. This milestone is currently amber.
- Milestones include readiness deliverables in support of Non-financial and financial operation
- Participant impact assessment provided in [this presentation](#) based on industry workshops
- FPP Reporting Data model, EMM DM 5.4, was published 15 April 2024, see the [AEMO Tech Spec Portal](#).
- Development of Industry Test Approach underway, target for issue 7th June – target 7 June 2024.

FPP- External Milestones NFO (as at 17/5/24) - Delivery

FPP Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Project	Target Date	Expected Date	RAG	Tentative / Confirmed	Commentary
Level 2	FPP-221	High Level Technical Design (External)	FPP-NFO	15-Dec-2023	8-Dec-2023		Confirmed	
Level 2	FPP-222	Participant Readiness Approach (incl. Dev Support Reqmts) published	FPP-NFO	1-Feb-2024	1-Feb-2024		Confirmed	
Level 2	FPP-230	Readiness Criteria available (NFO)	FPP-NFO	29-Feb-2024	29-Feb-2024		Confirmed	
Level 2	FPP-217	Data Model 5.4 Tech Spec (FPP Reports)	FPP-NFO	15-Apr-2024	15-Apr-2024		Confirmed	Project resource to deliver confirmed
Level 2	FPP-227	Industry Test Strategy (NFO) published	FPP-NFO	7-Jun-2024		Green	Confirmed	
Level 2	FPP-212	AEMO Internal Testing commenced (NFO)	FPP-NFO	3-Jul-2024		Green	Confirmed	delay in completion of AEMO development for some components to be managed in Internal Testing Schedule and approach
Level 2	FPP-229	Industry Test Plan published (NFO)	FPP-NFO	2-Sep-2024		Green	Confirmed	
Level 2	FPP-231	Industry Development finish (NFO)	FPP-NFO	1-Oct-2024		Green	Tentative	
Level 1	FPP-103	AEMO Internal Development & Testing complete (NFO)	FPP-NFO	22-Oct-2024		Green	Confirmed	
Level 2	FPP-225	Pre-Production Release (NFO)	FPP-NFO	25-Oct-2024		Green	Confirmed	
Level 2	FPP-233	Data Model 5.4 available in Pre-Prod	FPP-NFO	25-Oct-2024		Green	Confirmed	
Level 1	FPP-104	Industry Test start (NFO)	FPP-NFO	25-Oct-2024		Green	Confirmed	
Level 2	FPP-236	Readiness Checkpoint - Go-Live (NFO)	FPP-NFO	8-Nov-2024		Green	Confirmed	
Level 2	FPP-235	Industry Go-Live Plan published - final (NFO)	FPP-NFO	18-Nov-2024		Green	Confirmed	
Level 2	FPP-238	Data Model 5.4 available in Prod	FPP-NFO	9-Dec-2024		Green	Tentative	
Level 2	FPP-246	Production Release (NFO)	FPP-NFO	28-Nov-2024		Green	Confirmed	
Level 1	FPP-105	Non-Financial Operations commences	FPP-NFO	9-Dec-2024		Green	Confirmed	

FPP-FO Milestone Table

FPP Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Project	Target Date	Expected Date	RAG	Tentative / Confirmed	Commentary
Level 2	FPP-218	Data Model 5.4 Tech Spec (Settlement Reports)	FPP-FO	22-Sep-2024		Green	Confirmed	
Level 2	FPP-214	Participant Readiness Approach complete (Financial Operation)	FPP-FO	1-Oct-2024		Green	Confirmed	
Level 2	FPP-237	AEMO Internal Testing commenced (FO)	FPP-FO	28-Nov-2024		Green	Tentative	
Level 2	FPP-223	Market Trial Strategy published (Financial Operation)	FPP-FO	31-Jan-2025		Green	Tentative	
Level 2	FPP-224	Readiness Criteria available (Financial Operation)	FPP-FO	31-Jan-2025		Green	Tentative	
Level 2	FPP-246	Market Trial Plan complete (Financial Operation)	FPP-FO	10-Feb-2025		Green	Tentative	
Level 2	FPP-239	Industry Go-Live Plan published - draft (Financial Operation)	FPP-FO	28-Feb-2025		Green	Tentative	
Level 2	FPP-240	Readiness Checkpoint - Market Trial start (Financial Operation)	FPP-FO	28-Feb-2025		Green	Tentative	
Level 2	FPP-241	Industry Development Finish (Financial Operation)	FPP-FO	15-Mar-2025		Green	Tentative	
Level 2	FPP-242	Data Model 5.4 available in Pre-Prod	FPP-FO	15-Mar-2025		Green	Tentative	
Level 2	FPP-226	Pre-Production Release (Financial Operation)	FPP-FO	14-Mar-2025		Green	Tentative	
Level 1	FPP-108	Market Trial start (Financial Operation)	FPP-FO	17-Mar-2025		Green	Tentative	
Level 2	FPP-243	Industry Go-Live Plan published - final (Financial Operation)	FPP-FO	28-Mar-2025		Green	Tentative	
Level 1	FPP-107	AEMO Internal Development & Testing complete (Financial Operation)	FPP-FO	31-Mar-2025		Green	Confirmed	
Level 2	FPP-244	Readiness Checkpoint - Financial Operation	FPP-FO	9-May-2025		Green	Tentative	
Level 2	FPP-245	Market Trial finish (Financial Operation)	FPP-FO	20-May-2025		Green	Tentative	
Level 1	FPP-109	Production Release (Financial Operation)	FPP-FO	4-Jun-2025		Green	Tentative	
Level 1	FPP-106	FPP Project Go-Live / Rule Commencement	FPP-FO	8-Jun-2025		Green	Confirmed	

Industry Readiness Go-live Criteria



FPP-NFO Dec 2024: Readiness and go-live criteria

INITIATIVE	<p>Non-Financial Operations from 9 Dec 2024</p> <ul style="list-style-type: none"> FPP (NFO) go-live criteria will reflect Technical Readiness for go-live and AEMO preparedness to support new FPP calculations and reporting. Impacted participant readiness will not be considered as criteria for go-live.
AEMO READINESS	<p>AEMO solution built and tested in-line with requirements for:</p> <ul style="list-style-type: none"> NEM operation incorporating new FPP calculations and reporting of new data for all eligible generating units via NEM Reports / AEMO Data Interchange Additional infrastructure in place <p>AEMO business ready to support the period of NFO operation</p>
INDUSTRY READINESS	<p>Participant readiness activity is not a pre-requisite for go-live.</p> <ul style="list-style-type: none"> However, Participants are encouraged to make timely system/process changes to take advantage of the period of non-financial operations and assess the impact on their business. AEMO does not propose to monitor participant readiness.
CONTINGENCY	<p>Contingency approaches to be developed and discussed with IF members</p>

Progress reporting will continue against committed milestones with Go-live checkpoints against criteria as scheduled.

9. Other Initiatives

Accelerating Smart Meter Deployment Rule Change



Metering Services Review Anticipated Consultation Approach

Package 1 consultation to be published Wed 29 May 2024:

Business to Market

- Consultation regarding LRMP and Defects

Business to Business

- Consultation regarding Defects and One-in-all-in

Package 2 consultation to be published ~August 2024:

Business to Market

- Consultation regarding Asset Management Strategy Guideline and Malfunctions

Package 3 consultation timeline to be considered at the publication of the Final Rule

Business to Market and Business to Business

- Consultation regarding Power Quality Data

HLIA –Industry Briefing Recap and Next Steps

- AEMO hosted a draft High Level Implementation Assessment on 9 May, covering:
 - Details of the draft rule
 - Potential procedural impacts for B2B and B2M
 - Potential system impacts
 - Indicative implementation milestones
- Participant feedback to AEMO on the draft HLIA due 23 May 2024
- AEMC final rule and determination expected 11 July 2024
- Publish final HLIA approximately four weeks after AEMC final rule change and determination

Accelerating Smart Meter Deployment Rule Change Introduction

The Accelerating Smart Meter Deployment Draft Rule is in response to a rule change requested by Intellihub, SA Power Networks and Alinta Energy. The AEMC has progressed with the rule change via a fast-tracked rule-making process, with responses to the draft determination due on 30 May 2024 and a final determination expected 11 July 2024.

The draft rule outlines a regulatory change that requires Distribution Network Service Providers to gradually phase out their type 5 and type 6 meters (legacy meters) from 2025 to 2030 through a Legacy Meter Replacement Plan (LMRP). The LMRP will be strengthened with new requirements for sites with defects and shared isolation.

- The draft rule requires a formal defect tracking process which will require MCs to record a defect and for retailers to record customer notifications.

To streamline the process, retailer notifications to customers will be reduced from two to one, and the opt-out provision will be removed.

The draft rule enables existing functionality of smart meters to allow DNSPs to access power quality functionality of smart meters to better understand the network and provide benefits to networks, consumers and the broader energy system.

Finally, the draft rule requires AEMO to develop an asset management strategy to ensure MCs have a testing and inspection strategy in place to assess meter accuracy, having regard to the costs and benefits to consumers.

10. Stakeholder Engagement



Upcoming Engagements

For Noting

Upcoming Engagements

May						
M	T	W	T	F	S	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		

June						
M	T	W	T	F	S	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

July						
M	T	W	T	F	S	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						
M	T	W	T	F	S	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

- Executive Fourm
- Reform Delivery Committee
- Reform Delivery Committee Collaborative Workshop
- Program Consultative Forum
- Electricity Wholesale Consultative Fourm
- Implementation Forum
- Industry Testing Working Group

NEM Reform Briefings

- NEM Reform Program – General Stakeholder & Implementation Roadmap Briefing
- Industry Briefing: Accelerating Smart Meter Deployment – Draft High Level implementation design.

Other Forums

- Electricity Retail Consultative Forum

Other

- National Public Holiday
- State/Territory Public Holiday

11. General Questions & Other Business



NEMReform@aemo.com.au



[AEMO | Implementation Forum](#)



Testing and Development Support Environments

Greg Minney

Environment Support for Participant Development and industry testing

- With the Implementation of the IESS June release AEMO is seeking feedback on the usage and effectiveness of test environments during participant development and testing
- Aim is to identify key areas for consideration in supporting future initiatives
 - Support key participant development activities
 - Noting the need to balance supportability, timing and cost
- Please provide feedback to NEMReform@aemo.com.au by 12th June
- AEMO will consolidate feedback for key themes / consideration for June Implementation forum

Participant development support environments (PDSE)

- For IESS, two PDSEs were supported:
 - Settlement – static environment providing view of changed data structures and relationships arising from the NECR changes for IESS
 - Bidding and Dispatch – operational environment to provide participant development of market system interfaces due to significance of change to bidding structure for BDUs
- Intent was to provide “beta” versions of capability in a semi supported environment to accelerate participant development and testing ahead of the Industry testing timeframe when “production ready” capability is trialled
- Feedback Sought:
 - Usage made of those environments by participants, i.e. did you utilise
 - Key criteria/ drivers for future initiative support i.e. when do we consider these types of environments are required to support participant development
 - Extent timing and functionality incorporated in environment supported development progress
 - Is timing of availability or certainty of scope/ approach key factor in usage

Market Trial / Industry Testing

- In line with established process, the IESS market trial / Industry test has been conducted in the Pre-Production environment
 - A retail and wholesale data refresh from the production performed to provide a “current” view of standing and metering data sufficient to support a number of settlement runs with “comparability” to those performed in production
 - Commencement dates for NECR Settlement component of rule “backdated” to support these settlement runs
 - BDU establishment, transition and trialling of BDU specific bidding capability in current timeframes in line with production processes

Feedback Sought:

- Approach to supporting both NECR and BDU components of IESS rule
 - Level of bi-lateral testing conducted by participants outside of Market Trial scenarios
 - Environment / Data concerns given the approach to supporting all impacted participants and pre-prod restrictions
 - Considerations / suggestions for upcoming industry testing approaches
- NB the ITWG will also be requested to provide feedback on the approach, planning and interaction for industry testing / market trials

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

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