



**Energy Transformation
Implementation Unit**

WEM Reform Implementation Group (WRIG)

Meeting #8

17 December 2020





Ground rules and virtual meeting protocols

- Please place your microphone on mute, unless you are asking a question or making a comment.
- Please keep questions relevant to the agenda item being discussed.
- If there is not a break in discussion and you would like to say something, you can 'raise your hand' by typing 'question' or 'comment' in the meeting chat. Questions and comments can also be emailed to wrig@energy.wa.gov.au after the meeting.
- The meeting will be recorded for minute-taking purposes. Please do not make your own recording of the meeting.
- Please state your name and organisation when you ask a question to assist with meeting minutes.
- If there are multiple people dialling in through a single profile, please email wrig@energy.wa.gov.au with the names of the attendees to be recorded in the minutes.
- If you are having connection/bandwidth issues, you may want to disable the incoming and/or outgoing video.

Agenda

9.30
am

Introductions

Aden Barker | ETIU

9.35
am

Joint Industry Plan – AEMO Implementation Updates and Market Trial, Readiness & Transition

Ben Brearley | AEMO

10.00
am

Joint Industry Plan – Updates

Aden Barker | ETIU
Ben Brearley | AEMO

10.10
am

WEM Procedures – Content Review

Alex Gillespie, Clayton James, Leon Kwek, Josephine Nga, Surrey Hughes | AEMO
Mark McKinnon | Western Power

11.55
am

Next Steps

Aden Barker | ETIU

Joint Industry Plan Implementation Updates and Market Trial, Readiness & Transition

Session Purpose

- Provide awareness of AEMO program and project initiation activities.
- AEMO to provide an overview of the deliverables associated with market readiness and transition.

AEMO Implementation Program Activities

AEMO have undertaken the following activities of its implementation program, including:

- Technical Delivery Services Expression of Interest (EOI) closed and supplier responses assessed.
- Procurement for Procedure support and Certification activities released.
- Bids & Offers procurement is underway and supplier responses have been received, with procurement planned for completion in late January 2021.
- RCM Implementation project initiation process continues. AEMO Discovery workshops booked for January 2020 to commence detailed planning activities.
- Scoping for Market Readiness & Transition deliverables commenced.
- Existing Settlements Enhancements project endorsed for moving into the WEM Reform implementation program.
- GPS Engineers and final internal Developers and Testers commenced.
- Planning and design continues for the WEM Dispatch Engine (WEMDE) and System Planning projects.
- System development for Constraint Management and Generator Performance Standards (GPS) projects continues.
- Program 'Health Check' final report complete, to be presented to the AEMO sponsor group by end December (The Health Check is a short/external review of current status and approach to implementation).

AEMO Next Steps

- Final implementation Project Manager to commence in early January.
- Continue project planning, design and implementation activities.
- Commence detailed Discovery for RCM implementation project.
- Finalisation of procurement for Obligation Map, Market Summary and Certification.
- Settlements Enhancements to be formally moved into WEM Reform.
- Development of Market Readiness & Transition deliverables to commence / continue.

Market Readiness & Transition

Initial scope review

As per early WRIG discussions, planning and consultation is required to ensure market readiness and transition to the new market from October 2022. The following proposed deliverables will be used to enable market readiness and successful transition.

Desired Outcome		Deliverable
Market Participants understand how to test against AEMO platforms	▶	 Industry Testing & Market Trial Strategy
Market Participants understand the scope and timing of Market Trials	▶	 Market Trial Definition
Market Participants know how the Market Trials will be managed, and how they will be engaged in the process	▶	 Market Trial Participant Engagement Strategy
Market readiness can be measured, everyone can see progress against the market go-live date and understand how the go/no-go decision will be made	▶	 Market Readiness Strategy
Everyone understands how we will transition from the old to the new markets	▶	 Market Transition Strategy & Plan



Industry Testing & Market Trial Strategy

Scope Inclusions

- **Testing tools:** Describing the tools to be used to manage industry testing and Market Trials, associated licensing or required training.
- **Testing artefacts:** Describes the required testing deliverables and artefacts to be developed and managed as part of the industry testing and Market Trial process.
- **Testing processes:** Includes defect management and escalation processes to be used as part of testing.
- **Test environment management:** Management of industry test / staging and production environments including participant access to required environments.
- **Test data management:** Covers management of test data sets and refresh of testing environments.



Market Trial Definition

Scope Inclusions

- **Market Trial scope definition:** Defines the scope of Market Trial including the end-to-end scenarios to be executed.
 - **Market Trial plan / phasing:** Describes the Market Trial plan including the test calendar, bug-fix periods and phasing of testing activity by process or function as appropriate.
 - **Market Trial preparation:** Describes preparation activities required by participants or AEMO prior to Market Trial commencement.
 - **Market Trial responsibilities:** Defines the relevant roles and responsibilities of parties involved in the Market Trial period.
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Market Trial Participant Engagement Strategy

Scope Inclusions

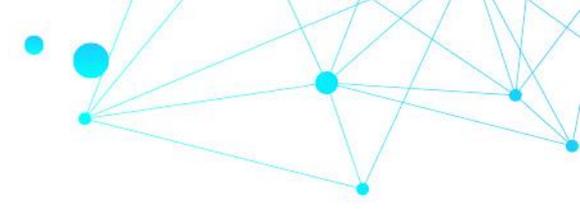
- **Working groups:** Definition of any required working groups specifically for Market Trials, as well as how they relate to existing engagement forums.
- **Market Trial engagement:** Engagement approach with participants during Market Trials, including ongoing forums, communication channels and frequency.
- **Coordination approach:** Defines the approach to coordinating the Market Trial process, including facilitation of multi-party tests.
- **Registration process for Market Trial:** Defines the process and mechanism for participants to register to take part in the Market Trials.
- **Status reporting:** Defines the reporting approach for monitoring the status of participant and AEMO testing during the Market Trial period.



Market Readiness Strategy

Scope Inclusions

- **Market readiness reporting:** Defines the approach to reporting on market readiness including frequency, format and communication methods.
 - **Readiness assessment:** Defines the assessment criteria for market readiness and the mechanism for assessing market readiness e.g. questionnaire.
 - **Contingency planning:** Definition of the approach to define contingency plans to mitigate risks relating to market readiness.
 - **Go-Live definitions and decision-making processes:** Definition of the processes to be used for go / no-go decision making regarding the market go-live.
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Market Transition Strategy & Plan

Scope Inclusions

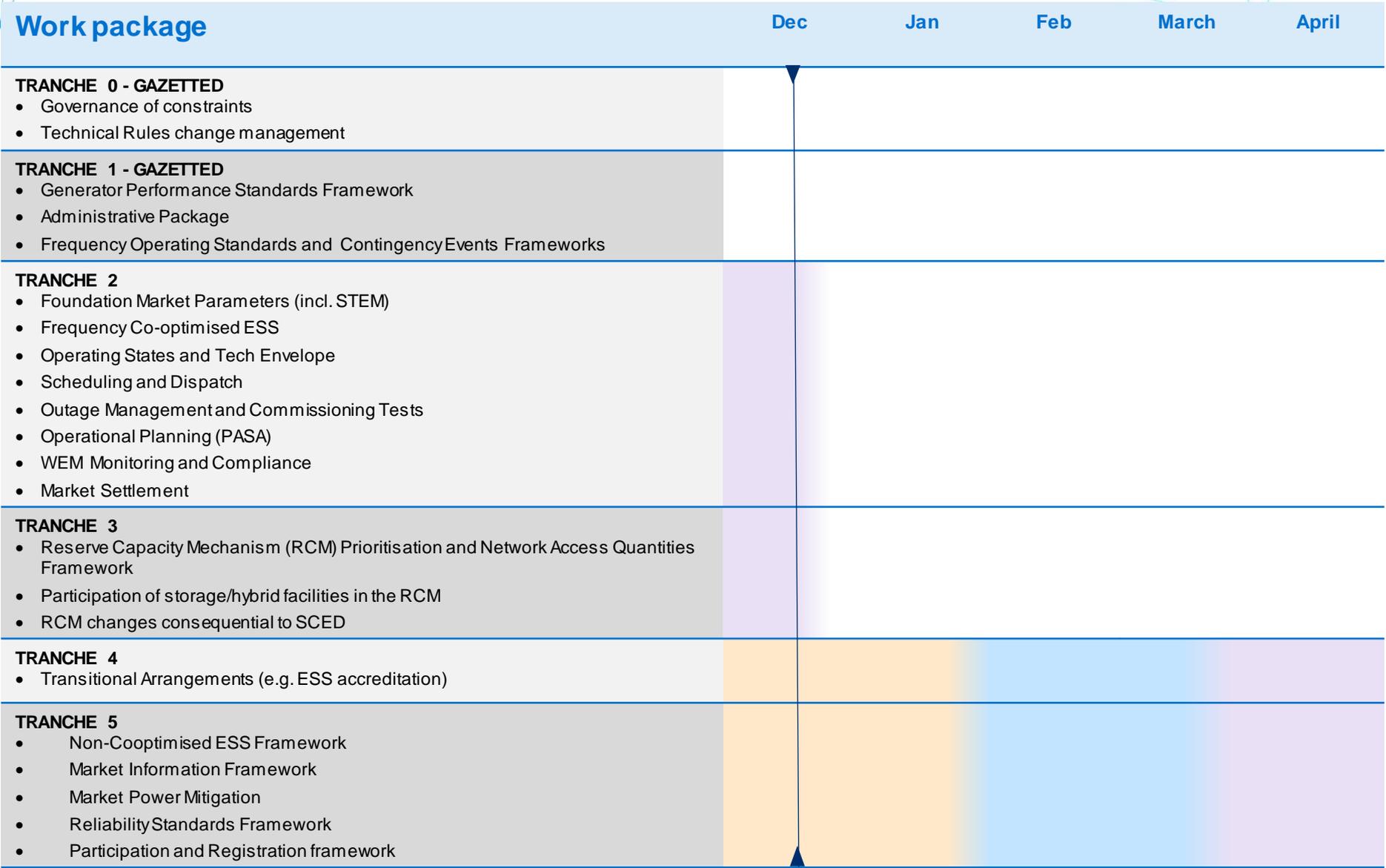
- **Education & training approach:** Defines the approach to education and training for Market Participants to run in the new market, including system and process considerations.
- **Market transition plan:** Defines the approach to transitioning to the new market, including any transitional rules, timeframes for transition and pre-market start commissioning requirements.
- **Technical cut-over:** Includes details of how the technical environments will be transitioned to the new market including considerations for parallel run, as well as data migration, conversion and live testing.
- **Cutover communication approach:** Defines the approach to communication with the Market Participants during transition to the new market.
- **Operational support:** Defines the arrangements for providing operational support to Market Participants during and post-transition.

Joint Industry Plan Updates

Session Purpose

- ETIU provide awareness of rule drafting timelines and progress
- AEMO provide update on additions and amendments to JIP

Rule drafting timeline



Drafting instructions and rule drafting

Stakeholder consultation

Taskforce approval, publication of the Amending Rules and Gazetting

WEM Procedures Content Review

Session Purpose

- AEMO introduce Credible Contingency Events and IT Interface Requirements
- AEMO to discuss Constraint Formulation feedback
- AEMO and Western Power to discuss Limit Advice feedback

WEM Procedures

WRIG Schedule – target dates through to end-Q1 2021

Meeting	Owner	Project	Topic/Procedure
17 December	AEMO	WEM Reform Program	Data and IT Interface Requirements
	AEMO	System Planning Reform	Credible Contingency Events
	AEMO	Constraint Management	Constraint Formulation - Feedback
	AEMO	Constraint Management	Limit Advice Requirements - Feedback
	Western Power	Constraint Management	Development of Limit Advice - Feedback
Q1 2020	AEMO	WEMDE	SCADA/Comms and Fault Recorder standards
	AEMO	System Planning Reform	PASA Reporting
	AEMO	System Planning Reform	PASA Low Reserve Planning
	AEMO	RCM	RCM Registration
	AEMO	RCM	Reserve Capacity Metering Requirements
	AEMO	RCM	ESR Obligation Intervals
	AEMO & WP	RCM	RCM Constraints/Limit Advice
	AEMO	RCM	Certification of Reserve Capacity

Next Steps

Looking towards future WRIGs





Next Steps

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- AEMO – will continue to refine and update the JIP milestones for its Program as well as ETIU, Western Power and AEMO
 - Market Participants – asked to consider what key activities and milestones can be added to the JIP to represent ‘shared’ content
 - AEMO to respond to feedback on Market Trial, Readiness and Transition scope and share further thinking on detail, sequencing and timing of documents (potential for second WRIG sub-group to be called to support this work)
 - AEMO to scope and schedule WRIG-IT Meeting #2 (likely to take place in Feb-21)

WRIG Members – please continue to provide offline feedback, queries and suggestions on topics you would like further information on