



**Energy Transformation  
Implementation Unit**

# **WEM Reform Implementation Group (WRIG)**

**Meeting #10**

25 February 2021





# 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](mailto: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](mailto: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

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9.35  
am

## Joint Industry Plan – AEMO Implementation Update

Ben Brearley and Emina Ramic | AEMO

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10.00  
am

## Joint Industry Plan – Plan Updates and RCM Cycle Timelines

Aden Barker | ETIU

Rebecca Petchey & Stu Featham | AEMO

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10.30  
am

## WEM Procedures

Brooke Eddington| ETIU

Leon Kwek| AEMO

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10.55  
am

## Next Steps

Aden Barker | ETIU

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# Joint Industry Plan

## AEMO Implementation Update

### Session Purpose

- Provide awareness of AEMO program and project initiation activities.
- Overview of Market Test and Trial Strategy

# AEMO Implementation Program Activities

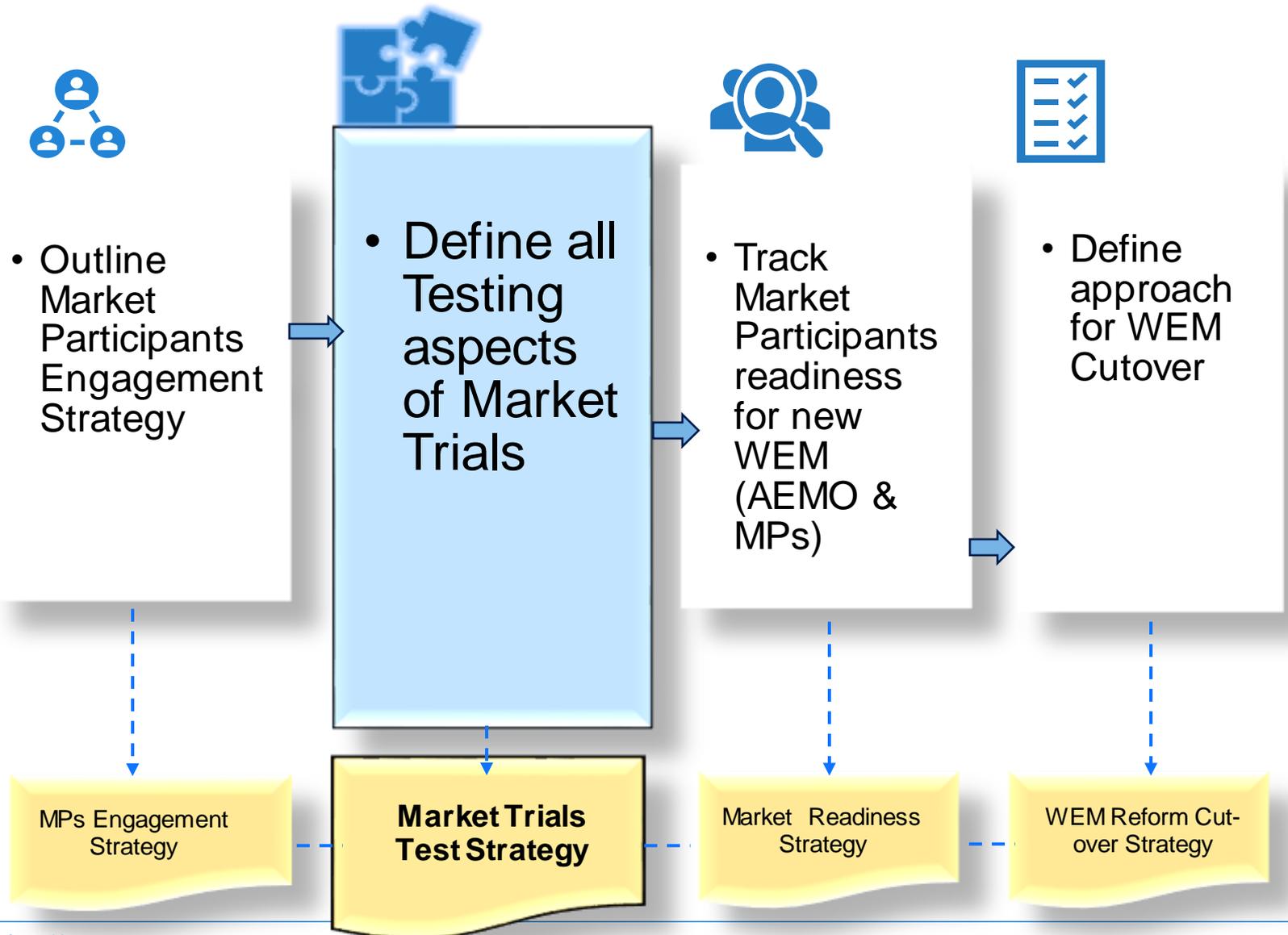
AEMO's implementation program update includes the following:

- AEMO workshops to review recently gazetted rules are near completion, with preliminary scope and timing impacts identified which are undergoing further analysis.
- GPS Market Procedures are live, commencing from 1<sup>st</sup> February 2021.
- Commencement of the Bids & Offers work package technical delivery team has been delayed until 29<sup>th</sup> March 2021 to accommodate vendor resource availability.
- RCM Implementation planning and requirements gathering is underway and procurement activities for technical delivery have commenced.
- System development for the Constraints Management, Settlements Enhancements and Generator Performance Standards (GPS) projects continues.
- Technical platform (cloud and on-premise) design is currently underway for the upcoming WEM Reform implementation projects.

## AEMO Next Steps

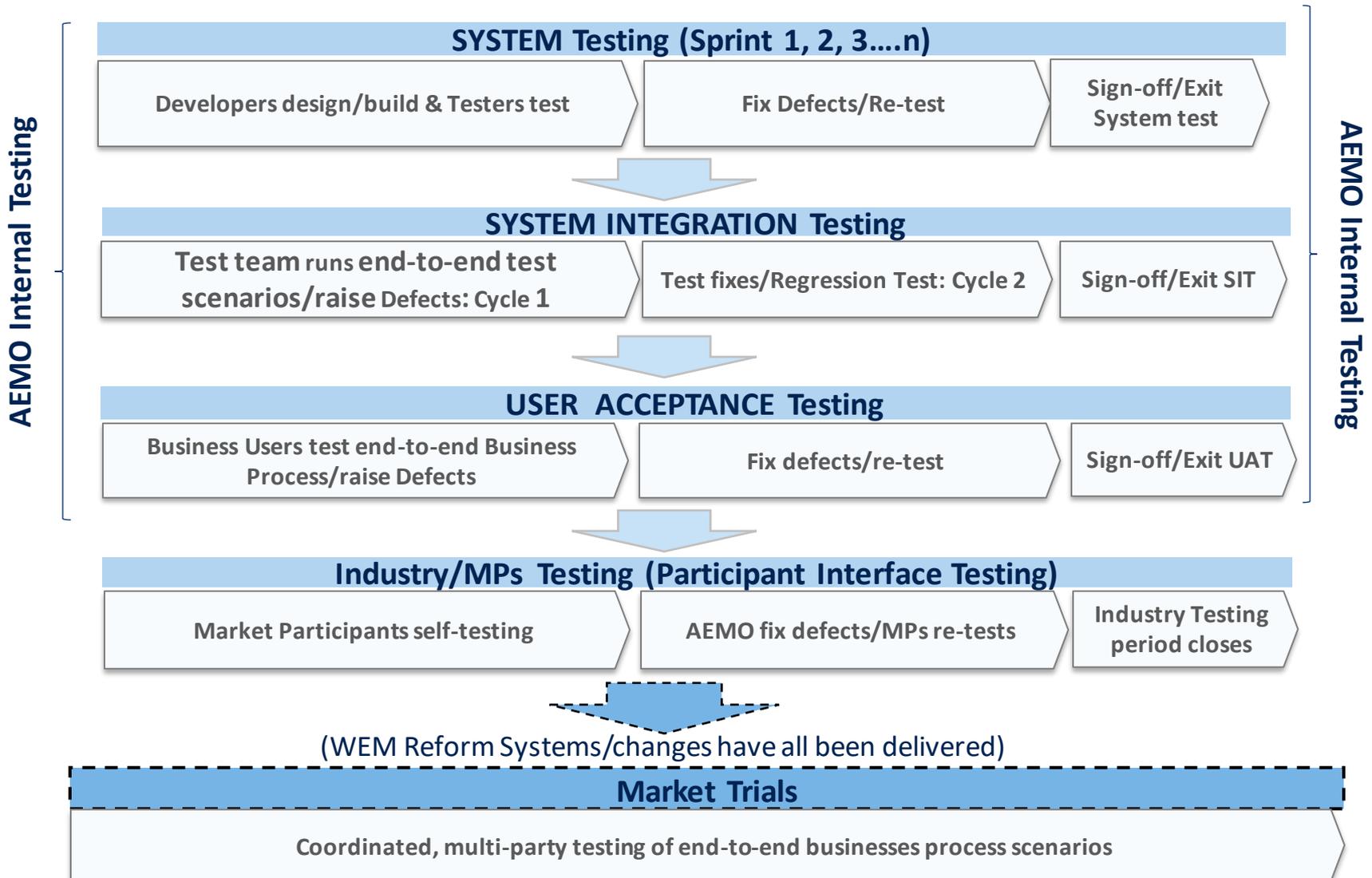
- Finalise potential scope and timing impacts following gazetted rules review
- Continue development of the Test and Trial strategy, Operational Readiness strategy and Market Readiness strategy deliverables
- Submit formal investment request for delivery funding for the WEMDE project
- Commencement of procurement activity for Dispatch Engine (WEMDE) delivery
- Continue GPS, Constraints Management and Settlements Enhancements system development.

# Market Readiness, Test/Trial & Transition

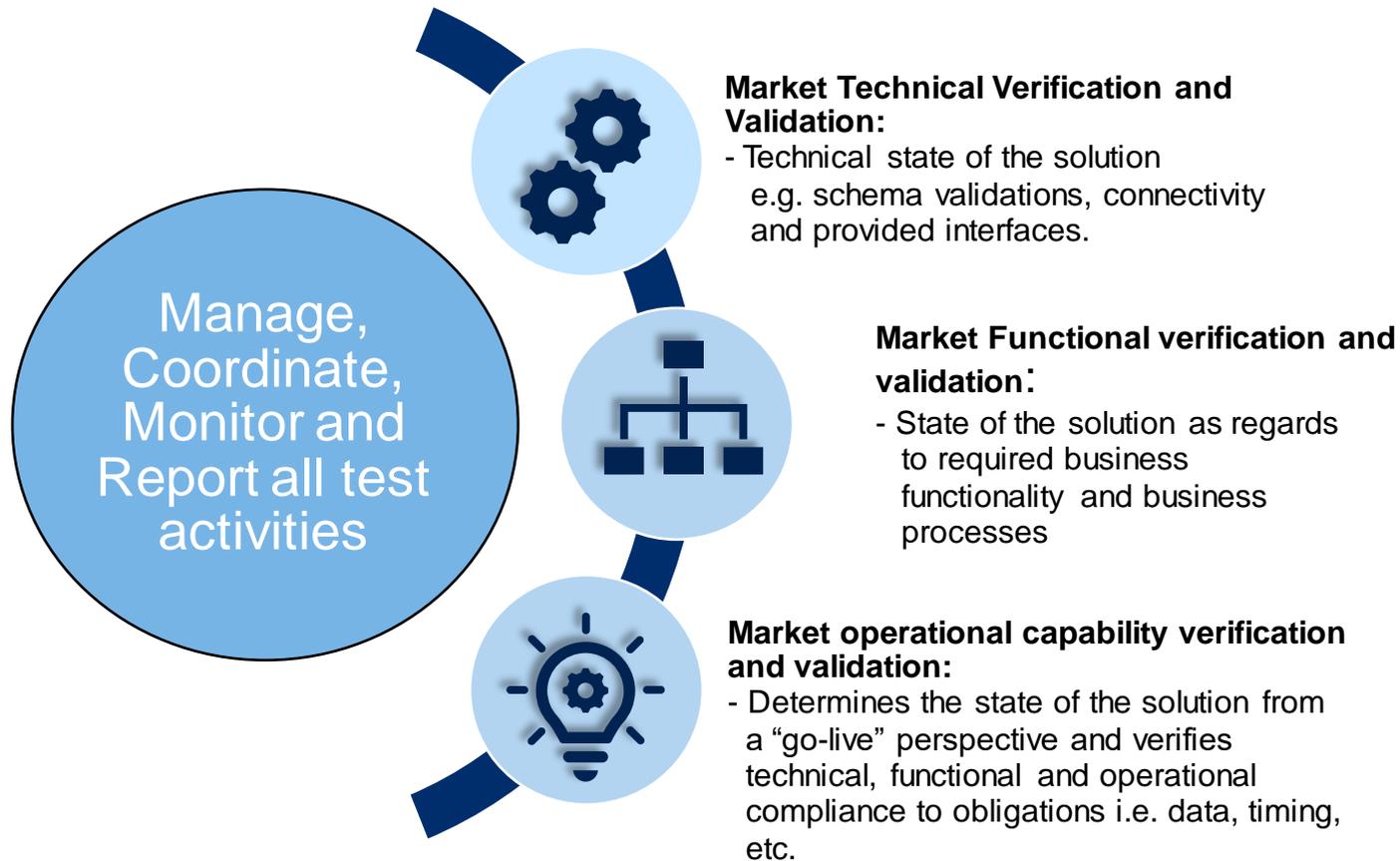


# Market Participant Testing & Market Trials

## Project/System delivery



# Market Test and Trial Scope





# Market Test and Trials Strategy

## Core components

### Test Artefacts

- **Test Plans** – test approach, test-phases, entry/exit criteria, schedule
- **Test Scripts** – create, store, report results
- **Test Data** - test data prep. by MPs and AEMO, data refresh,
- **Defects** – reporting/triage/resolution/management

### Testing Tools

- **Licencing** – MPs access to AEMO testing tools
- **Access** – number of users/user profiles
- **Training/Guidelines for MPs** – to be provided by AEMO

### Test Environments

- **Environments set-up** – availability schedule
- **MPs connection to env. (APIs etc.)** – requirements, etc.
- **Number of environments required** – purpose, refresh schedule
- **Manage access to env.** – responsibilities of AEMO vs. MPs

# Joint Industry Plan Updates

## Session Purpose

- ETIU provide awareness of rule drafting timelines and progress
- AEMO to present on proposed RCM Timelines for 2021 and 2022 cycles
- AEMO to run through key JIP Milestones

# Rule drafting timeline

Work package	Feb	March	April	May
<b>TRANCHE 0 - GAZETTED</b> <ul style="list-style-type: none"> <li>Governance of constraints</li> <li>Technical Rules change management</li> </ul>				
<b>TRANCHE 1 - GAZETTED</b> <ul style="list-style-type: none"> <li>Generator Performance Standards Framework</li> <li>Administrative Package</li> <li>Frequency Operating Standards and Contingency Events Frameworks</li> </ul>				
<b>TRANCHE 2 - GAZETTED</b> <ul style="list-style-type: none"> <li>Foundation Market Parameters (incl. STEM)</li> <li>Frequency Co-optimised ESS</li> <li>Operating States and Tech Envelope</li> <li>Scheduling and Dispatch</li> <li>Outage Management and Commissioning Tests</li> <li>Operational Planning (PASA)</li> <li>WEM Monitoring and Compliance</li> <li>Market Settlement</li> </ul>				
<b>TRANCHE 3 - GAZETTED</b> <ul style="list-style-type: none"> <li>Reserve Capacity Mechanism (RCM) Prioritisation and Network Access Quantities Framework</li> <li>Participation of storage/hybrid facilities in the RCM</li> <li>RCM changes consequential to SCED</li> </ul>				
<b>TRANCHE 4</b> <ul style="list-style-type: none"> <li>Transitional Arrangements (e.g. ESS accreditation)</li> </ul>				
<b>TRANCHE 5</b> <ul style="list-style-type: none"> <li>Non-Cooptimised ESS Framework</li> <li>Market Information Framework</li> <li>Market Power Mitigation</li> <li>Reliability Standards Framework</li> <li>Participation and Registration framework</li> </ul>				



# RCM Timelines

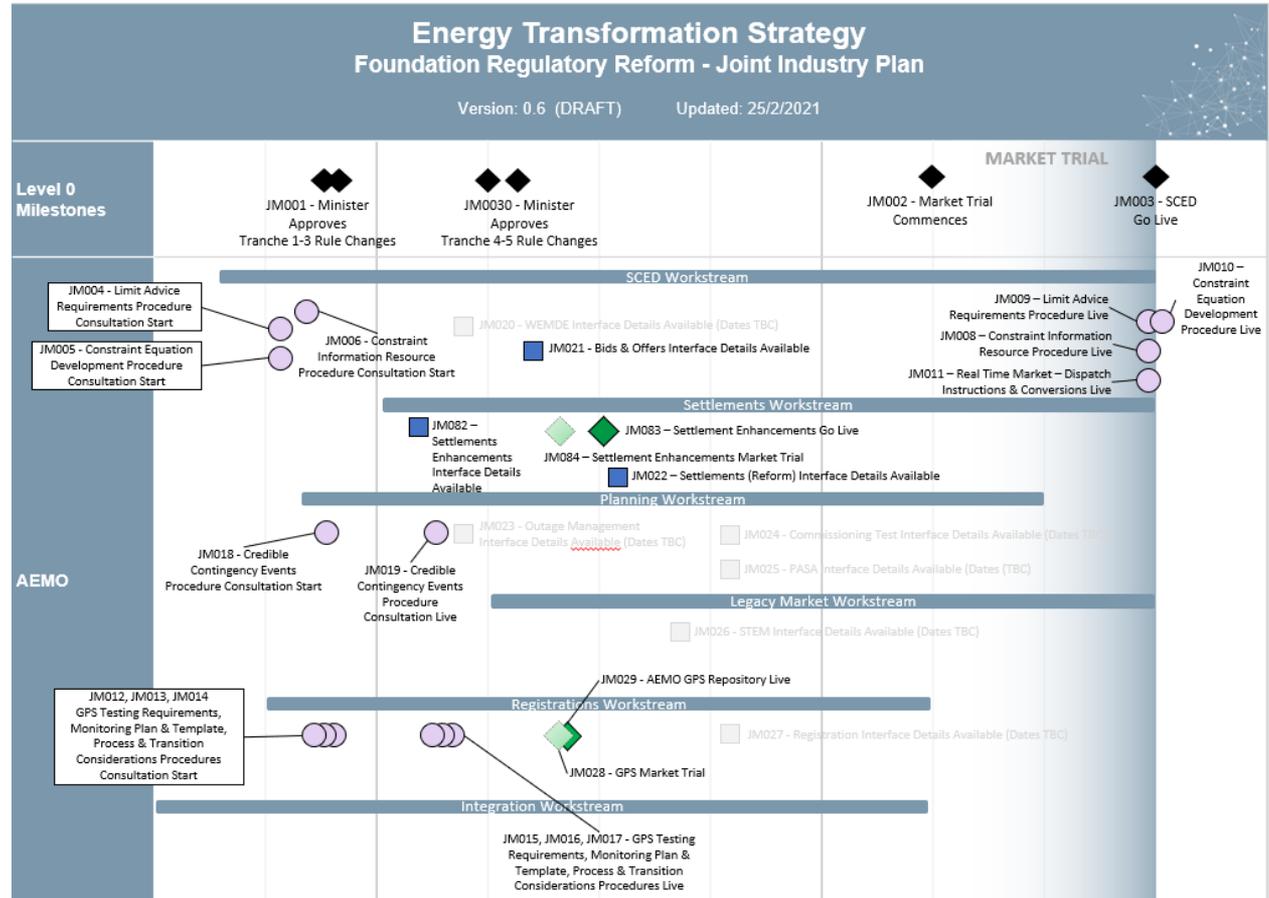
## 2021 and 2022 Cycles

Please see separate AEMO document to be presented on the day and published on 26 February.

# Joint Industry Plan Updates and run through

AEMO, Western Power and Synergy to run through key milestones, status and changes in JIP.

Updated JIP and Milestone Log will be circulated/published alongside WRIG Meeting Minutes.



# WEM Procedures

## Session Purpose

1. AEMO to discuss Credible Contingency Events feedback
2. ETIU to discuss Dispute Resolution for Existing Transmission Connected Generating Systems feedback

# WEM Procedures

## WRIG Schedule

Meeting	Owner	Project	Topic/Procedure
26 February	AEMO	System Planning Reform	Credible Contingency Events - Feedback
	ETIU	GPS	Dispute Resolution Mechanism for Existing Transmission Connected Generating Systems - Feedback
25 March	AEMO	WEMDE	SCADA Point Requirements
29 April	AEMO	RCM	ESR obligation intervals
	AEMO	RCM	Reserve Capacity Metering Requirements
	AEMO	RCM	RCM Registration

# Next Steps

## Looking towards future WRIGs





# Next Steps

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- AEMO to provide updates on development of 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 forward WRIG-IT Meetings
  - AEMO to share updated full Procedure list
  - WRIG Members – please continue to provide offline feedback, queries and suggestions on topics you would like further information on