Energy Transformation Implementation Unit

WEM Reform Implementation Group (WRIG)

Meeting #6

29 October 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 – Implementation Updates**	Stuart Featham and Ben Brearley | AEMO
9.55 am	**Joint Industry Plan – Drafting and Plan Updates**	Aden Barker | ETIU and Stuart Featham | AEMO
10.05 am	**WEM Procedures – Content Review**	Clayton James, Leon Kwek, Chris Wilson | AEMO
11.50 pm	**Next Steps**	Aden Barker | ETIU

Joint Industry Plan

AEMO Implementation Updates

Session Purpose

- Share summary of recent implementation discussions at Strategic Consultative Group (SCG)
- Provide awareness of AEMO's program and project initiation activities.

Implementation Challenges

Summary of SCG discussions

On 21 October, AEMO presented to the Strategic Consultative Group (SCG) on implementation challenges noting that queries have been raised about:

- The collective ability of the industry to enable Security Constrained Economic Dispatch (SCED) by the target Go Live date of October 2022.
- Implementation plans for the revised Reserve Capacity Mechanism (RCM) and in particular certification/introduction of the Network Access Quantity (NAQ) framework.

There was positive discussion in the session with the following broad conclusions reached:

SCED

- Delivery of SCED by October 2022 is challenging but it is important for AEMO and wider industry to focus on completion and understanding of revised rules; development of Procedures and initial project delivery before a determination on 2022 'doability' is possible

RCM/NAQ

- There is significant implementation effort required to enable revised RCM/NAQ arrangements and the 2021 RCM Certification Cycle can not be completed within the assumed timeframes of January-September 2021.
- Further consideration of options is required (a TDOWG is planned for 5 November) with a Taskforce decision planned for end-November.

AEMO Implementation Program Activities

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

- Continued planning and design activity for the Digital Platform and WEM Dispatch Engine (WEMDE) and commenced planning for the System Planning project.
- Finalised planning activity and commenced early system development for Constraint Management and Generator Performance Standards (GPS) projects.
- Progressed procedure planning and Procedure development activities.
- Finalised recruitment for the final Project Manager role, Developers, Testers, GPS Engineers and the Change Lead.
- Program ‘Health Check’ commenced (short /external review of current status and approach to implementation)

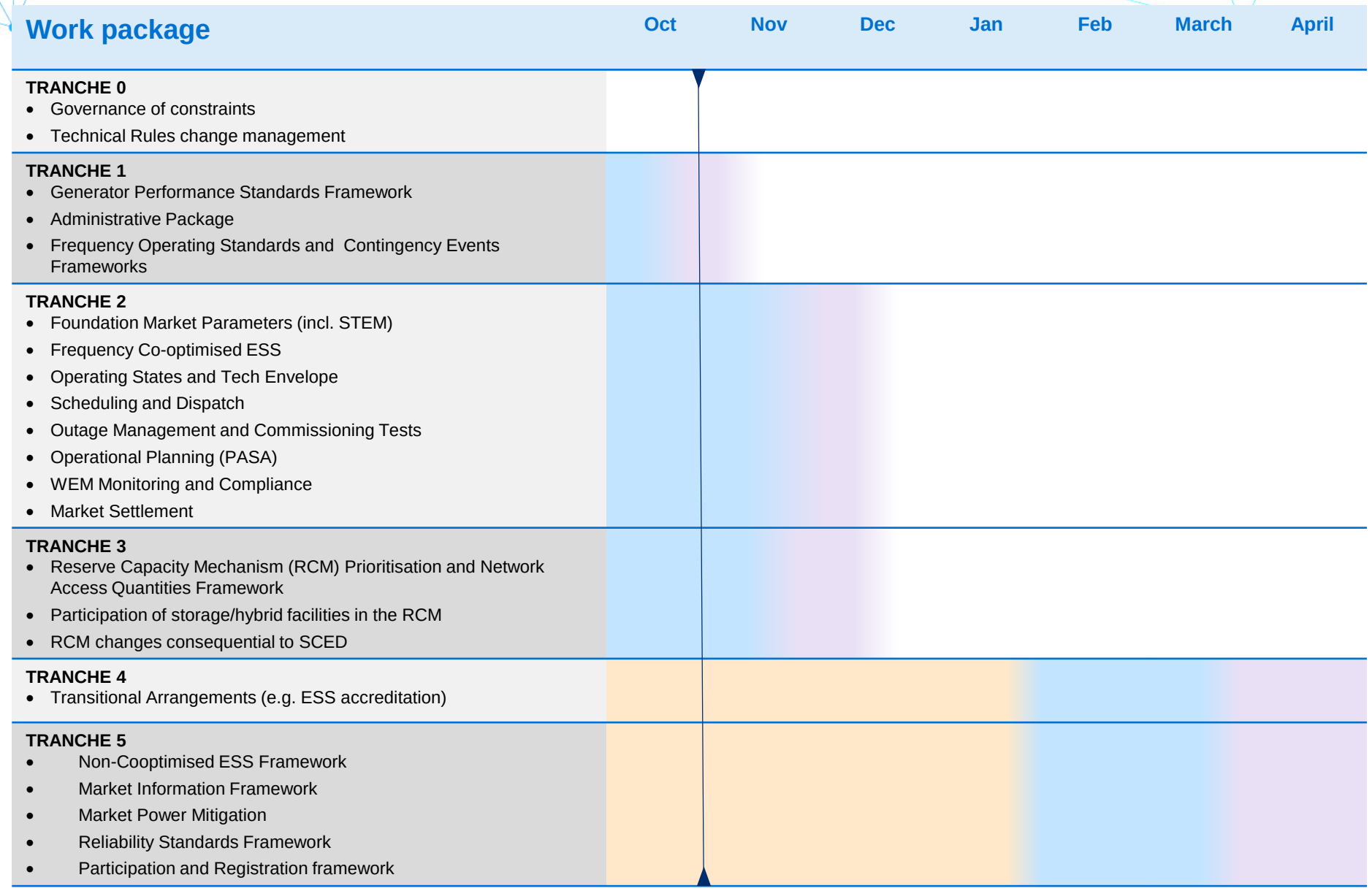
AEMO Next Steps	
	• Hold the next WRIG-IT forum to present GPS solution design. • Onboard remaining program resources. • Continue project planning, design and implementation activities. • Release EOI for sourcing technical delivery roles for CY21 projects. • Release RFQ for Process/Procedure support and Certification

Joint Industry Plan
Updates

Session Purpose

- ETIU provide an update on the Reform Rule Drafting Plan
- AEMO update on JIP developments and walk through Milestone Log structure

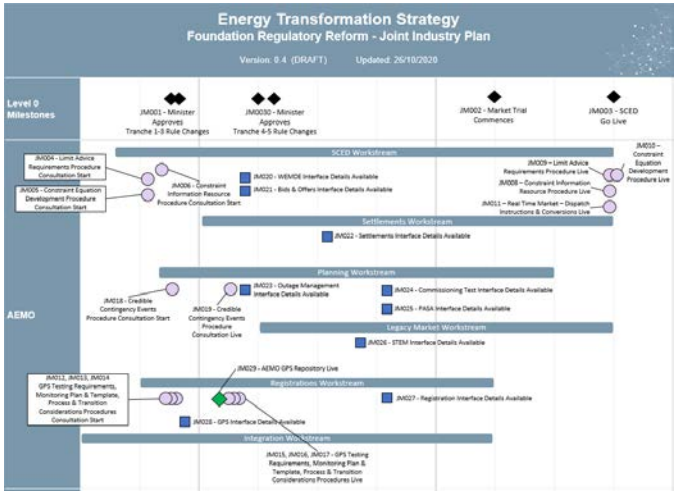
Rule drafting timeline



JIP Review

The JIP is starting to take form with additional milestones provided by Western Power in the last month. Target to review in detail with WRIG in November and baseline in December.

A milestone and change log has been created to support JIP review with documents circulated post-WRIG for review and comment ahead of Meeting#7.



Joint Industry Plan (JIP) Milestones

- As further planning progresses to detail the implementation Program Plan, key milestones with industry-facing impacts will be added to the Joint Industry Plan.
- The following categories of milestones are included in the JIP:

Category	Symbol	Description
Significant Market Milestone	◆	A significant event in the WEM Reform Program, not necessarily related to system implementation.
Procedure Milestone	●	Events relating to consultation or development of Market Procedures.
Technical Go-Live	◆	Go-live for a system that may be used by Market Participant users or integrate with Market Participant systems.
Staging Deployment	◆	Staging deployment for Market Participants to test interfaces, business rules or usability of systems prior to formal go-live.
Technical Information Release	■	Information released that may be used by Market Participants to assist implementation activities.
Training	▦	Training for Market Participants with regard to systems or market design.
Business Process	▦	Activities or deliverables related to internal or market processes
Technical Implementation	◆	Activities or deliverables related to system implementation (e.g. design or testing artefacts)

Foundation Regulatory Frameworks - Joint Industry Plan - Milestone Log

ID	Title	Project/Topic	Type	Milestone Date	Date Status	Owner	Level	Description
JM-001	Minister Approves Tranche 1-3 Rule Changes	Regulatory	Significant Market Milestone	Nov-Dec-20	Confirmed	ETU	0	Target dates for approval of WEM Rules modifications to enact WEM Reform market design as set out in Taskforce Information Papers. Milestone encompasses approval by Minister of Energy and Gazettal. Tranche 1 (Nov 20): Generator Performance Standards Framework (incl. Ch. 3a, Appendix 12., and transitional rules) 'Administrative Package' Frequency Operating Standards and Contingency Events Frameworks Tranche 2 (Dec-20): Foundation Market Parameters (incl. STEM) Frequency Co-optimised ESS Operating States and Tech Envelope Scheduling and Dispatch Outage Management and Commissioning Tests Operational Planning (PASA) WEM Monitoring and Compliance Market Settlement Tranche 3 (Dec-20): Reserve Capacity Mechanism (RCM) Prioritisation and Network Access Quantities Framework Participation of storage and hybrid facilities in the RCM RCM changes consequential to SCED Application and Queuing Policy for Constrained Network Access
JM-002	Market Trial Commences	Program/Implementation	Significant Market Milestone	01-Apr-22	To Be Confirmed	AEMO	0	Commencement of 'formal' Market Trial period where Market Participants and other parties will conduct defined end-to-end scenario based trials e.g. as opposed to purely system/user integration testing).
JM-003	SCED Go Live	Program/Implementation	Significant Market Milestone	1-Oct-22	Confirmed	AEMO	0	Date on which first interval of Security Constrained Economic Dispatch (SCED) will take place in line with commencement of relevant WEM Rule Modifications and Go Live date referenced in WEM Rule 1.20.
JM-004	Limit Advice Requirements Procedure Consultation Start	Constraints	WEM Procedure Milestone	15-Oct-20	Complete	AEMO	1	AEMO will publish draft WEM Procedure and commence four weeks formal consultation
JM-005	Constraint Formulation Procedure Consultation Start	Constraints	WEM Procedure Milestone	15-Oct-20	Complete	AEMO	1	AEMO will publish draft WEM Procedure and commence four weeks formal consultation
JM-006	Constraint Information Resource Procedure Consultation Start	Constraints	WEM Procedure Milestone	5-Nov-20	Confirmed	AEMO	1	AEMO will publish draft WEM Procedure and commence four weeks formal consultation
JM-007	Real Time Market – Dispatch Instructions & Conversions Procedure Consultation	WEMDE/Dispatch	WEM Procedure Milestone	29-Oct-20	Confirmed	AEMO	2	AEMO will commence first stage 'informal' consultation process on WEM Procedure topic
JM-008	Constraint Information Resource Procedure Live	Constraints	WEM Procedure Milestone	1-Oct-22	To Be Confirmed	AEMO	1	WEM Procedure takes legal effect
JM-009	Limit Advice Requirements Procedure Live	Constraints	WEM Procedure Milestone	1-Oct-22	To Be Confirmed	AEMO	1	WEM Procedure takes legal effect
JM-010	Constraint Equation Development Procedure Live	Constraints	WEM Procedure Milestone	1-Oct-22	To Be Confirmed	AEMO	1	WEM Procedure takes legal effect
JM-011	Real Time Market – Dispatch Instructions & Conversions Live	WEMDE/Dispatch	WEM Procedure Milestone	1-Oct-22	To Be Confirmed	AEMO	1	WEM Procedure takes legal effect
JM-012	GPS Testing Requirements Procedures Consultation Start	GPS	WEM Procedure Milestone	1-Dec-20	To Be Confirmed	AEMO	2	AEMO will commence first stage 'informal' consultation process on WEM Procedure topic
JM-013	GPS Monitoring Plan & Template Procedures Consultation Start	GPS	WEM Procedure Milestone	1-Dec-20	To Be Confirmed	AEMO	1	AEMO will publish draft WEM Procedure and commence four weeks formal consultation
JM-014	GPS Process & Transition Considerations Procedures Consultation Start	GPS	WEM Procedure Milestone	1-Dec-20	To Be Confirmed	AEMO	1	AEMO will publish draft WEM Procedure and commence four weeks formal consultation
JM-015	GPS Testing Requirements Procedures Live	GPS	WEM Procedure Milestone	1-Feb-21	To Be Confirmed	AEMO	1	AEMO will publish draft WEM Procedure and commence four weeks formal consultation
JM-016	GPS Monitoring Plan & Template Procedures Live	GPS	WEM Procedure Milestone	1-Feb-21	To Be Confirmed	AEMO	1	WEM Procedure takes legal effect
JM-017	GPS Process & Transition Considerations Procedures Live	GPS	WEM Procedure Milestone	1-Feb-21	To Be Confirmed	AEMO	1	WEM Procedure takes legal effect
JM-018	Credible Contingency Events Procedure Consultation Start	System Planning (e.g. Outages,	WEM Procedure Milestone	1-Dec-20	To Be Confirmed	AEMO	1	AEMO will publish draft WEM Procedure and commence four weeks formal consultation
JM-019	Credible Contingency Events Procedure Consultation Live	System Planning (e.g. Outages,	WEM Procedure Milestone	1-Feb-21	To Be Confirmed	AEMO	1	WEM Procedure takes legal effect
JM-020	WEMDE Interface Details Available	WEMDE/Dispatch	Technical Information Release	Mar-21	To Be Confirmed	AEMO	1	AEMO will provide technical and implementation details related to the specific AEMO-Participant system interfaces (e.g. specifications, APIs)

WEM Procedures
Content Review

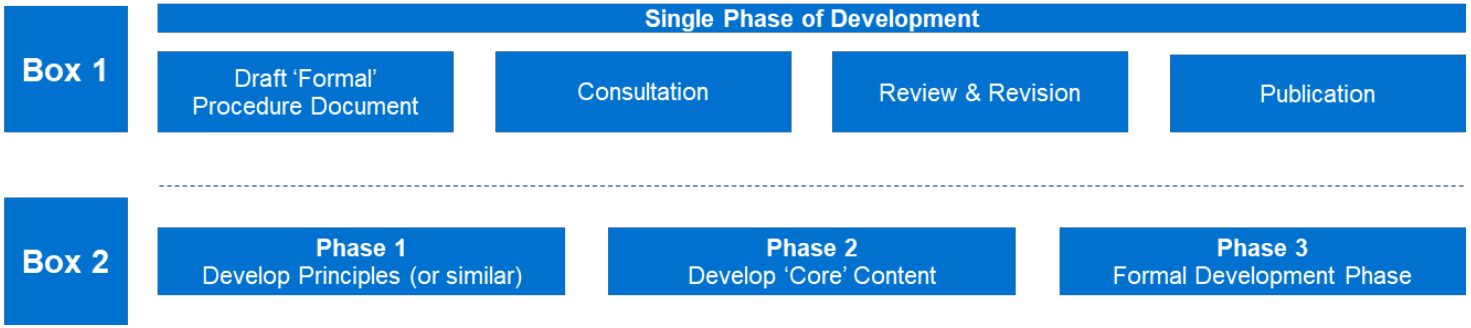
Session Purpose

- AEMO provide overview of WEM Procedure and development process
- AEMO to provide WRIG Members with summary of key WEM Procedure content to support feedback process

WEM Procedures

Development and consultation approach

As per previous WRIG discussions, Box 1 Procedures will follow a single phase of development while Box 2 will undergo multiple phases (with consultation at all points):



Key elements of the development and consultation approach:

- ETIU to work with Procedures Owners to develop target dates for consultation
- Presentations and draft WEM Procedures will be developed by Procedure Owners with queries and feedback to be provided back to the specific technical leads/organisations
- Formal consultation/feedback windows will be provided for each WEM Procedure or related document with consideration given to complexity, scale and other WEM Reform documentation out for review – minimum timeframe proposed as two weeks
- Follow up page-turn or deep dive sessions may be arranged based on feedback provided
- Subsequent changes to finalised or approved documents will be managed in the same manner

WEM Procedures

WRIG Schedule – target dates through to end 2020

Meeting	Owner	Project	Topic/Procedure	'Box'
29 October	AEMO	WEMDE	Communications and Control Requirements	2
	AEMO	WEMDE	Real Time Market – Constraint Equations	2
	AEMO	WEMDE	Real Time Market – Dispatch Instructions & Conversions	2
	AEMO	Constraints	Constraint Information Resource	1
26 November	AEMO	GPS	Testing requirements	1
	AEMO	GPS	Monitoring Plan and template	1
	Western Power	GPS	Computer Model	1
		GPS	GPS Transition	1
17 December	AEMO	WEMDE	SCADA/Comms and Fault Recorder standards	2
	AEMO	System Planning	Credible Contingency Events	2
	AEMO	System Planning	Reliability Standard Implementation Procedure	2

Next Steps

Looking towards WRIG#7

Next Steps

Joint Industry Plan

- ETIU will engage with ERA to establish consultation dates for the ‘high priority’ Procedures they own
- AEMO will continue to refine and update both system design and Procedure milestones and reflect in JIP
- AEMO to scope and schedule WRIG-IT Meeting#2 (likely to cover GPS solution and test/trial approach)
- ETIU/AEMO to engage Synergy to establish what initial activities and milestones can be reflected in the JIP with Synergy providing high level presentation on implementation

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