



Minutes

WEM Reform Implementation Group – Meeting 4, 2021

Time: 9:30am – 11:00am
Date: 29 April 2021
Venue: Teleconference

Attendees:

Name	Organisation	Name	Organisation
Aditi Varma	ETIU	Mariusz Kovler	AEMO
Adnan Hayat	ERA	Mike Hales	AEMO
Adrian Theseira	ERA	Wendy Ng	ERM
Alan McDonald	Bluewaters	Patrick Peake	Perth Energy
Alex Gillespie	AEMO	Peter Huxtable	Water Corporation
Andrew Walker	South32	Rebecca White	Collgar Wind Farms
Ashwin Raj	ETIU	Rhiannon Bedola	Synergy
Ben Connor	Synergy	Richard Pepler	Western Power
Brad Huppatz	Synergy	Robert Pullella	ERA
Clayton James	AEMO	Robin Parsons	AEMO
Dimitri Lorenzo	Bluewaters?	Simon Middleton	AEMO
Dino Perumal	AEMO	Stacey Fontein	Western Power
Dora Guzeleva	ETIU	Stephen Eliot	Rule Change Panel Support
Erin Stone	Point Global	Stuart Featham	AEMO
Gavin White	ERA	Teresa Smit	AEMO
Harry Street	Entego	Tinna Needham	Western Power
Iulian Sirbu	Kleenheat	Toby Price	AEMO
Jake Flynn	ERA	Tom Parkinson	Clean Energy Council
Jas Bhandal	AEMO		
Jenny Laidlaw	Rule Change Panel Support		
Jo-Anne Chan	Synergy		
John McLean	Power Systems Consultants		
John Nguyen	Perth Energy		
Katelyn Rigden	AEMO		
Katie Franklyn	Tersum Energy		
Sumeet Kaur	ERM		
Kei Sukmadjaja	Western Power		
Laura Koziol	ERA		
Liz Aitken	Aitken Energy		
Lynda Venables	Synergy		

Slide No.	Issue
Joint Industry Plan (JIP) – Plan Updates (Dora Guzeleva, ETIU)	
6	<ul style="list-style-type: none"> • Dora Guzeleva (DG) noted some additional information/updates added into JIP relating to Rule Drafting Timeline with regard to Tranche 4a and Tranche 4b rules. • Tranche 4a – DG thanked participants for responses to consultation on ESS accreditation. Feedback has been taken into account and Rule package prepared for Minister. <ul style="list-style-type: none"> • Key elements of the package are: transitional rules for ESS accreditation, as well as some Rules presented at most recent TDOWG relating to Heads of Power for operating protocols between Western Power and AEMO, and number of minor Rule changes to address errors and omissions in the current Rules, particularly focused on those changes required to support 2021 RCM cycle. • The Ministerial instrument will also identify commencement dates for RCM, ESS Accreditation Rules and Operating Protocols. • Tranche 4b – DG noted that focus would now move to delivery of Tranche 4b, with consultation to continue via TDOWG and WRIG sessions. Tranche 4b includes: <ul style="list-style-type: none"> • UFLS & System Restart (reflecting changes discussed with Industry as workshops earlier this year), • remaining changes required to facilitate RCM 2021 Cycle, • Changes and commencement dates for 2022 RCM. • Tranche 5 – Rules to be based on determinations by the Taskforce since the start of 2021 including those to be approved at final sitting of Taskforce on 14 May. DG noted that drafting rules to implement those decisions will be a significant piece of work and anticipates completion of Tranche 5 around December 21. • Additional changes and Rule corrections will be addressed in 2022 as a final tidy-up.
Action	<ul style="list-style-type: none"> ➤ Aditi Varma (AV) to review minutes posted on WRIG website for last meeting to ensure that the meeting minutes are posted correctly.
7	<ul style="list-style-type: none"> • DG noted that a number of minor changes were required to the rules to support development of RCM related procedures, and that these were incorporated into Tranche 4a. • Rule changes to facilitate the Indicative Facility Class Procedure include: <ul style="list-style-type: none"> ○ removal of heads of power from clause 1.45.10 to avoid conflict with clause 4.8A.7; ○ remove Small Aggregation from 2.29.1 and place it into 2.29.1AA to remove circularity of definition; ○ require additional information to assist with Indicative Facility Class determination; and ○ clarification of process for assigning an indicative Facility Class (4.8A) and assigning an RCM Facility Class (1.45.9) • Rhiannon Bedola (RB) queried when the Indicative Facility Class Procedure would be released for consultation. <ul style="list-style-type: none"> ○ Mike Hales (MH) responded that although this had been intended for discussion at this meeting, the procedure is unfortunately still being developed. Intention is to provide an overview of this procedure at the next WRIG meeting in May however planning to release the procedure for consultation one week prior to the next WRIG meeting, with feedback welcomed at the May WRIG session. • DG outlined change from ‘ESR Metering’ to ‘Component Metering’ to facilitate the sub-metering procedure in order to remove assumption that this sub-metering would relate to electrical storage components only and allow for greater flexibility in hybrid facilities. <ul style="list-style-type: none"> ○ Toby Price (TP) noted it is intended that ‘separately certified components’ means components certified by different methods in the RCM certification process. For example: if you have a wind-farm and a solar-farm they are both certified through the RLM and you don’t need to meter those separately. ○ TP further noted that the objective is to ensure that AEMO has the right data for each process verifying that the obligations of differently certified components have been met. ○ This procedure is to be released for consultation as soon as possible.

AEMO Implementation Program Activities (Stuart Featham & Mariusz Kovler, AEMO)

- 8**
- Stuart Featham (SF) noted outstanding queries and frustrations raised at WRIG-IT relating to Market Participant desire for further detail on specifications of changes and dates by which these should be expected, as well as follow on dates around testing, etc. He acknowledged that AEMO is cognisant of these concerns and the need for this information to assist in Participant's preparations, planning, and internal change and approval processes. AEMO is working to finalise internal implementation plans as quickly as possible so that they can release the requested information as soon as possible.
 - SF noted that AEMO was working on a revised version on the information provided at WRIG-IT last year that provided an overview identifying those interfaces that were expected to change and when further detail on changes would be available. It is expected that a revised version of this will be presented at the next WRIG-IT which is tentatively scheduled for 3 June.
 - Mariusz Kovler (MK) provided a brief update on AEMO implementation program activities, and next steps.
 - Operational Market Readiness Activity has continued.
 - Real Time Market Submissions (RTMS) (formerly Bids & Offers) project technical delivery has continued with initiation completed and development sprints underway. Project presented at recent WRIG-IT.
 - Two key market activities conducted in preceding period:
 - RCM Phase 1 (Year 1 activity including RLM) – backlog defined noting Rule challenges including those associated with RLM still being defined. Vendor responses received. Anticipate moving into development and testing in the next period.
 - WEMDE mixed market approach in response – custom development and off-the-shelf with configuration. Currently evaluating best way forward to move as quickly as possible into build activity.
 - GPS, Constraints and Settlements Enhancements have continued, with updates provided in WRIG-IT. Delays noted in go-live dates for GPS and Settlements Enhancements as discussed at WRIG-IT, with anticipated go-live late June/early July.
 - MK provided a brief summary of upcoming activity including: Settlements Enhancements market trail to commence in June; sprint delivery to continue on RTMS; build activity to commence for RCM and WEMDE; new WRIG-IT tentatively scheduled for 3 June, completion of UAT for Constraints in June; and initiation of remaining projects such as Registrations, RCM Phase 2 (NAQ model), and Settlements Reform.
 - SF noted that WRIG-IT for 3 June planned to incorporate:
 - RTMS interface specification changes, and forward view to development and test, with target for market testing around September.
 - Updated overall interface specification impact assessment
 - Update on Market Test and Trial strategy with focus on test environments and approach.

Readiness & Reporting Strategy (Mariusz Kovler, AEMO)

- 9**
- MK noted feedback from Market Readiness & Reporting Strategy document sent out for consultation. Key elements of feedback and intended response/actions noted.
 - First Readiness Working Group scheduled for next week (Tues, 3 May).

Generator Performance Standards (GPS) Update (Tinna Needham, Western Power)

- Tinna Needham (TN) provided a brief update on GPS:
 - 19 Submissions received, 3 exemption requests, and 47 extension requests.
 - Currently assessing submissions and working with Market Participants to resolve questions and finalise.
 - Intend to send out comms in the next week to Market Participants to set expectations moving forward in terms of submissions and extension requests.

WEM Procedures (Mike Hales, AEMO)	
	<ul style="list-style-type: none"> • MH noted that at the previous WRIG in March AEMO presented on two procedure topics – Electronic Storage Resource Obligation Intervals (ESROI) and Facility sub-metering. Both of these Procedures will be released for consultation in the next couple of weeks, with ESROI to be release today, and Facility Sub-Metering to be distributed 2nd week of May. These will be available from Energy Transformation Taskforce Consultation (www.wa.gov.au) and open for 2 week consultation. Any submissions should be provided to WA.ETS@aemo.com.au. <p>Procedure Timeline document is available on WEM Reform Implementation Group (WRIG) (www.wa.gov.au). The AEMO WEM Procedures and Consultation Timeline document provides an overview of Procedures to be released, key topics for inclusion, and an indicative timeframe on when we anticipate consultation to take place and commencement dates. Note that this document will be updated periodically.</p> <ul style="list-style-type: none"> • Erin Stone (ES) queried if it would be possible for Western Power and EPWA Procedures to also be included in the Procedures and Consultation Timeline document to provide a complete picture. <ul style="list-style-type: none"> ○ DG noted that EPWA was not intending to issue Procedures because the current rules require only AEMO and Western Power to implement Procedures. ○ TN confirmed that Western Power would be willing to provide information on their Procedures to be incorporated into the timeline.
Action	<ul style="list-style-type: none"> • Western Power to provide information on Procedures to be incorporated into WEM Procedures and Consultation Timeline Document.
Communications and Control Systems – High-Resolution Time Synchronised Data Requirements (Jas Bhandal, AEMO)	
	<ul style="list-style-type: none"> • Jas Bhandal (JB) provided information on high-resolution time synchronised data requirements which will be incorporated in the Communications and Control Systems WEM Procedure. These requirements relate to 2.36A of the WEM Rules. Procedure drafted to include high-resolution time synchronised data recorder(s) requirements and technical specifications to: <ul style="list-style-type: none"> ○ Support the transitional ESS accreditation to ensure sufficient FCESS are accredited at market start; and/or ○ Assist with monitoring the performance of the SEIS that has demonstrated historical or potential instability or high fault activity; and/or ○ Investigate incidents on the SWIS that impact Power System Security or Power System Reliability. <p>Key changes added to current procedure include new section 5.3 and 5.4 to cover the provision of high-resolution time synchronised data requirements for Network Operators and other Registered Facilities, and appendix B.5 to cover the high-resolution time synchronised data recorder specifications.</p> <p>JB noted that current drafting noted that the Market Participant, upon receiving notification from AEMO, must furnish requested data in the specified format within 2 business days, and requested Participant feedback on this timeframe. Feedback can be provided to WA.ETS@aemo.com.au.</p> <p>JB requested participants provide feedback on the high-resolution time synchronised data requirements and data provision timeframes and recorder technical specifications. He noted that a full draft of the procedure would be send out for consultation in the next few weeks.</p> <ul style="list-style-type: none"> • Liz Aitken (LA) queried if these additional costs would be recoverable for Market Participants – either through bids or capacity prices. <ul style="list-style-type: none"> ○ Clayton James (CJ) noted that where Western Power incurs costs in adding these devices in and maintaining SCADA, they can be recovered through network tariffs. ○ LA sought clarification, where Western Power install a HSR and on-charge a market participant would that cost be recoverable? ○ AV noted that high-speed recorders and fault recorders provide information not just on Generator performance, but also on broader power system matters. Therefore, because this is a piece of equipment being used for a variety of matters it is suitable for Western Power to cover the costs of these recorders through Network Tariffs. She expressed the opinion that if Western Power was entering into a fee for service arrangement to provide high-speed recorder information back to the Generator (for example for the Generator’s own use for GPS purposes or ESS accreditation purposes) then it would be reasonable for Generators to want to be able to recover these costs.

	<ul style="list-style-type: none"> ○ DG noted that cost recovery for this would not be through bids, but through the prices set in the market. ○ Patrick Peake (PP) requested an estimated cost of a high-speed recorder. <ul style="list-style-type: none"> • TN agreed that Western Power would provide an estimated cost. ○ AV further noted that if Market Participants wished to install their own high-speed recorders this would be at their own cost, and encouraged Market Participants to engage with Western Power and AEMO to establish if there was already equipment installed in the Network that was able to provide data to both AEMO and the Participant for that Facility’s performance. She encouraged utilisation of infrastructure that already exists. • Wendy Ng (WN) queried if AEMO did direct Market Participants to install high-speed recorders, what timeframe would be given to Participants to do this in. <ul style="list-style-type: none"> ○ AV noted that under the rules, AEMO could not direct the Market Participant to install a HSR, but can only discuss the requirements for recorders with Western Power. As such, AEMO would not be asking Market Participants to install high-speed recorders or fault recorders. ○ CJ noted that most of the need for high speed recorder data comes through the GPS monitoring arrangements, so a lot of the GPS monitoring plan requirements would typically require some kind of high-speed monitoring device to be installed to help support this compliance monitoring. This would typically be applicable at the time of build, so would form part of the connection process, as this is when GPS standards are being negotiated. ○ WN noted that this differed from the slide that stated ‘if AEMO issues a direction under clause 2.36A.1 of the WEM Rules, the Market Participant (MP) must provide, install and maintain high-resolution time synchronised data recorder(s) for monitoring and assessment of performance’. <ul style="list-style-type: none"> • CJ acknowledged the issue and responded that the Rule is actually Rule Participant as it is intended to cover Network Operators. • LA noted that there were a number of changes going on around Market Mitigation and Bidding and what costs can potentially be recovered through bids going forward. Seeking greater clarification around what would be expected to be recoverable and not. <ul style="list-style-type: none"> ○ DG noted that costs are not recovered through Bids, but through the combination of bi-lateral contracts, capacity payments, ESS, and through market clearing prices in the Balancing Market or STEM. Bids are subject to market power mitigation, but Market Participants are not compensated on the basis of their bids but on the basis of the market clearing price. ○ LA noted that a lot of these requirements are potentially pushing significant additional costs onto Market Participants and that there appears to be without any recognition in any of the Reserve Capacity price discussions, or in the bid development discussions around this additionality of costs. She noted that there was a great deal of money needing to go into these amendments for the market, and that not everybody could afford to carry all of these additional costs without having some ability to recoup these. ○ She further noted that if recovery was to be through capacity payments there would be a need to everyone to have a different capacity payment because they have a different cost structure, which goes against the way the rules are currently written. She noted that more thought needed to go into these issues. ○ DG acknowledged that this was noted for future discussion.
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Next Steps (Dora Guzeleva, ETIU)	
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	<ul style="list-style-type: none"> • DG noted that: <ul style="list-style-type: none"> ○ the inaugural Readiness Working Group would be held next week, with an update to be provided at the next WRIG meeting. ○ Market Test Strategy to be published in preparation for discussion at WRIG-IT on 3 June. <p>She encouraged WRIG members to provide feedback, and to suggest any topics for conversation. Noting that some of the topics raised today may be more appropriate for discussion in future TDOWG meetings. Both WRIG and TDOWG will continue beyond the Taskforce which will wrap-up on 20 May.</p>
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	<ul style="list-style-type: none"> • WN requested additional details on Readiness Working Group such as membership, and how these could be accessed. <ul style="list-style-type: none"> ○ SF responded that AEMO would look to have the information posted to make it accessible, and if not would distribute the information by email to the WRIG mailing list. He noted that there was still space for
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	<p>additional people if others were keen to be involved in the working group. Noting that the intention is to keep the membership of the group reasonably small to enable the focus on a working group approach rather than a consultative forum, but that additional members would be welcome.</p> <ul style="list-style-type: none"> ○ Rebecca White (RW) queried if the Terms of Reference were available. ○ SF noted that a draft TOR had been developed and would be discussed and finalised at the first working group session.
ACTION	<ul style="list-style-type: none"> • AEMO to distribute draft TOR for Readiness Working Group