

# Communications and Control Systems WEM Procedure – Feedback

WRIG – 28th October 2021

# WEM Procedure: Communications and Control Systems Feedback

Paragraph Reference	Industry Feedback	Resolution
1.4	Suggest to update the location link to the 'Guides and useful information' page.	Updated the location link.
Various	Multiple instances of referencing errors and re-assigning links.	Updated the referencing errors and cross-reference links in the Procedure.
Various	Suggest to specify the specific section in Appendix B (e.g. Appendix B.3) rather than reference to Appendix B.	Updated the reference to specific sections in Appendix B, for example para 2.7.6 has been referenced to <b>Appendix B.3</b> rather than just Appendix B.
B.2.3 – Table 5	MP sought clarity on the difference between the Time Intervals (seconds) column and the Time Interval via Data Concentrator (seconds).	No update required. The addition of the data concentrator is just to allow for places that have multiple RTUs connected via an intermediary RTU (data concentrator) due to their remote location , which adds a little more time.
B.5.1.3	MP sought clarity on what AEMO aims to achieve by precluding interaction of the High-Resolution Time Synchronised Data Recorders with any equipment control functions.	No update required. This interaction could adversely affect the delay of the recorder measurements and thus introduce inaccuracy.

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Definitions – Table 1 (AGC)	Multiple definitions of AGC in various Head of Power (i.e. WEM Procedure and WEM Rules) – Suggest to align to the Companion Version of the WEM Rules.	Updated the definition to align the AGC definition with the companion version of the WEM Rules.
Definitions – Table 1 (Critical Outage)	Suggest a short description of critical outage be provided.	No update required as Critical Outage is defined in Table 1, where it is a loss for more than 60 seconds to transmit Operational Data or receive Control Commands from AEMO.
Definitions – Table 1 (DCP)	Definition of DCP is mixed up with the activity with possible providers of that service.	Updated the definition of DCP to remove the activity with possible providers of that service.
Definitions – Table 1 (SCADA)	Suggest SCADA definition can be simplified.	Simplified the definition of SCADA.
Definitions – Table 1 (High Resolution Time Synchronised Data Recorder)	What time stamp is expected for use?  For MPs, confirmation from AEMO that data obtained from the HRTSDR will be provided only when required by AEMO?	Appendix B.5 covers the time stamping specifications.  Yes, that is the intent for MP's to provide HRTSD when requested by AEMO.

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2.1.3	AEMO should at least consult MP's on the contents and any changes to the Technical Specification for Operational Data.	Updated the procedure with a new para 2.1.4 to consult RP's when revising the Technical Specification for Operational Data Points.
	It is not clear how the AEMO specification operates or crosses any requirements the Network Operator may have.	This matter is clarified under Explanatory Note E[B].
2.1.8	This para enables AEMO to revise the SCADA data point requirements in Para 2.1.2 at any time. MP's requests AEMO to notify Rule Participants of any changes. Due to the potential financial and operational implications on a Facility, MP's further requests any major revisions be consulted upon.	No update required. Under para 2.1.7, the process to consult and notify is covered under paragraph 5.2 of this Procedure.
2.2.1	MP queries whether the ABC and AGC Interface Requirements captures both options, being via SCADA or via AEMO's nominated IT systems or whether the Requirements only cater for SCADA.	AEMO clarifies that ABC and AGC Interface requirements cater for SCADA only and this para has been updated to reflect this.
	MP suggested defining independent voice communication.	AEMO will clarify and include the definition of independent voice communication in the next update of the Procedure prior to WEM Commencement Date. AEMO considered that it does not want to make a change now that will subsequently make current Balancing Facilities non-compliant.

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5.5.3	MP suggested the three Business Days timeframe be extended to five Business Days to align with similar obligations imposed for Generator Monitoring Plans.	No update required. The three business days timeframe is aligned with similar obligations imposed for Network Operator. There is also the ability to agree on an alternative timeframe with AEMO on a case by case basis
B.5.3	The standards defined in the Procedure set out the highest possible, newest, international standard IEEE/IEC 60255-118-1- Part 118-1: Synchrophasor for power systems. It is well-known that, due to the very small differences between its predecessor (the CS37.118.1-2011 Standard) very few international vendors of High-Resolution Time Synchronised Data Recorders have equipment that is compliant with the new specification.	Slight update to para B.5.3.1 - AEMO updated the word "equivalent" standard to "acceptable" standard, to allow for the two standards to not be exactly the same. AEMO is unable to reference it to superseded Standards as this is the latest standard in the industry.