

Metering Dispensation D/523 – Aikengall II WF

Imbalance Settlement Group (ISG)

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Summary

In December 2019, the ISG (ISG224/01) approved two lifetime Metering Dispensations (D/498 and D/499) from Code of Practice (CoP) 1 for the location of the Metering Equipment associated with the Aikengall II and Aikengall Ila Wind Farms (WFs). The Actual Metering Points (AMPs) for both WF's are to be 20m below the Defined Metering Point (DMP) and metered to CoP1 standards. Due to a fault identified with one set of current transformers (CTs) at the new AMP for the Aikengall II WF, the Registrant of the Aikengall II WF Metering System (Aikengall II Community Wind Company Ltd) has connected the main and check Meters to the same set of working CTs so it can continue generating. This is non-compliant with CoP1 under the approved Metering Dispensation (D/498), but does comply with, and exceeds, the minimum requirements of CoP2 (apart from location). Aikengall II Community Wind Company Ltd has therefore requested for a temporary Metering Dispensation (D/523), from CoP1, to meter to CoP2 standards at the AMP, for a period of four months. This is until the Registrant can replace the faulty CTs and achieve CoP1 compliance, at the new AMP, under D/498. Following comments from the Metering Dispensation Review Group and the National Electricity Transmission System Operator, we invite the ISG to approve Metering Dispensation D/523 on a six-month basis to 3 February 2022.

1. BSC requirements

- 1.1 Section L¹ of the Balancing and Settlement Code (BSC) requires all Metering Equipment to either:
- comply with the requirements set out in the relevant Code of Practice (CoP) at the time the Metering System is first registered for Settlement under the BSC (L3.2.2); or
 - be the subject of, and comply with, a Metering Dispensation (L3.4).
- 1.2 Section L allows the Registrant of a Metering System to apply for a Metering Dispensation if, for financial or practical reasons, Metering Equipment will not or does not comply with some or all the requirements of a CoP.
- 1.3 The process for applying for a Metering Dispensation is set out in [BSCP32](#)².

¹ 'Metering'

² 'Metering Dispensations'

2. Background to Metering Dispensation D/523

- 2.1 In December 2019, the ISG ([ISG224/01](#)) approved two lifetime Metering Dispensations (D/498 and D/499) from [Code of Practice \(CoP\) 1](#)³ for the location of the Metering Equipment associated with the Aikengall II and Aikengall Ila Wind Farms (WFs). The Actual Metering Points (AMPs) for both WFAs are to be 20m below the Defined Metering Point (DMP) and metered to CoP1 standards.
- 2.2 Due to a fault identified with one set of current transformers (CTs) at the new AMP for the Aikengall II WF, the Registrant of the Aikengall II WF Metering System (Aikengall II Community Wind Company Ltd) has connected the main and check Meters to the same set of working CTs so it can continue generating. This is non-compliant with CoP1 under the approved Metering Dispensation (D/498), but does comply with, and exceeds, the minimum requirements of [CoP2](#)⁴ (apart from location).

3. Metering Dispensation application D/523

- 3.1 Aikengall II Community Wind Company Ltd has requested for a temporary Metering Dispensation (D/523), from CoP1, to meter to CoP2 standards at the AMP, for a period of four months. This is until the Registrant can replace the faulty CTs and achieve CoP1 compliance, at the new AMP, under D/498.

4. MDRG comments

- 4.1 We circulated the Metering Dispensation application and an attachment from D/498 to the Metering Dispensation Review Group (MDRG) for comments (Attachments A - B).
- 4.2 Three out of four MDRG members responded. All three MDRG members support the application on the following bases:
- the only deviation from CoP1 is the temporary loss of CT redundancy (and AMP not at DMP with minimal losses as approved in D/498);
 - it is applicable for a short period of time while the faulty CTs are replaced;
 - overall accuracy is not affected (assuming there are no further faults on the remaining set of CTs);
 - the circuit capacity at the AMP is limited to <100MVA by the transformer so, CoP2 (where no CT redundancy is required) anyway;
 - it is a temporary arrangement due to an unavoidable fault;
 - it is being managed; and
 - Settlement accuracy is not materially impacted over the short duration.
- 4.3 One MDRG member recognises the three-month repair time and another month for contingency, but suggests the Metering Dispensation is given up to six months, to allow for any further unforeseen problems and not to need to return to MDRG and the ISG. If it gets fixed in three months, then that will not matter.
- 4.4 The other MDRG members support the suggestion of granting a six-month Metering Dispensation (instead of a four-month Metering Dispensation) to allow for any additional delays and hopefully avoid the need for another Metering Dispensation application.

5. NETSO comments

- 5.1 We circulated the Metering Dispensation application and an attachment from D/498 to the National Electricity Transmission System Operator (NETSO) for comments (Attachments A - B).
- 5.2 The NETSO has no objection to the ISG granting a Metering Dispensation and supports the suggestion from the MDRG that the ISG approves a six-month temporary Metering Dispensation, instead of a four-month temporary Metering Dispensation.

6. Elexon's view

- 6.1 Elexon supports this temporary Metering Dispensation application as accuracy of the Aikengall II Metering System will be maintained within CoP1 limits at the DMP.
- 6.2 In terms of accuracy classes, the Metering Equipment used is to CoP1 standards:
- one set (not two) of class 0.2s CTs;

³ 'Code of Practice for the metering of circuits with a rated capacity exceeding 100MVA for Settlement purposes'

⁴ 'Code of Practice for the metering of circuits with a rated capacity not exceeding 100MVA for Settlement purposes'

- one voltage transformer (VT) with two class 0.2 secondary windings; and
 - class 0.2s main and check Active Energy Meters.
- 6.3 In terms of redundancy, although there will be no redundancy for the current measurement source, the circuit capacity for the Aikengall II wind farm circuit (90MVA) is below the CoP2 upper threshold of 100MVA. So, compared to other 'CoP2 circuits', its Metering System is no worse off than any other CoP2 compliant (apart from location) Metering System - the losses between the AMP and the DMP are also negligible (maximum losses are quoted as 0.0001707% in D/498).
- 6.4 Elexon agrees with the MDRG and NETSO and supports this temporary Metering Dispensation on a six-month basis, until 3 February 2022.
- 7. Recommendation**
- 7.1 We invite the ISG to:
- a) **APPROVE** Metering Dispensation D/523, for the Aikengall II Wind Farm Metering System, on a six-month basis, until 3 February 2022.

Attachments

Attachment A – Metering Dispensation application D/523 - Aikengall II WF

Attachment B – Metering Dispensation D/523 - Aikengall II WF SLD (from D/498 application)

For more information, please contact:

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