

## Metering Dispensations D/542 – Minety 2 BESS

### Imbalance Settlement Group (ISG)

Date of meeting	<b>5 July 2022</b>	Paper number	<b>255/03</b>
Owner/author	<b>Lee Walker</b>	Purpose of paper	<b>Decision</b>
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**Summary**      **Statkraft Markets GmbH has applied for a lifetime Metering Dispensation (D/542) from Code of Practice (CoP) 1. The application relates to the location of the Metering Equipment associated with a proposed new 50MW Battery Energy Storage System (BESS) at Minety South Storage 2 (Minety 2). A Metering Dispensation will allow for optimum registration of the Metering System for the site connecting the project, through a dedicated circuit, to the wider Scottish and Southern Energy (SSE) network. We invite the ISG to approve Metering Dispensation D/542 on a lifetime basis.**

### 1. BSC requirements

- 1.1 Section L<sup>1</sup> 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](#)<sup>2</sup>.

### 2. Background to Metering Dispensation D/542

- 2.1 Minety 2 are having two Battery Energy Storage Systems (BESS) built on the Old Barn Purlieus site. A Metering Dispensation is only being requested for the Metering Equipment associated with the Minety South Storage 2 project (Minety 2 BESS) as the other project (Minety BESS) has compliant Metering Equipment at the Boundary Point and is already operational.

<sup>1</sup> 'Metering'

<sup>2</sup> 'Metering Dispensations'

### 3. Metering Dispensation D/542 – Minety 2 BESS

- 3.1 Statkraft has applied for a lifetime Metering Dispensation (D/542) from [CoP1](#)<sup>3</sup> (Attachment A). This is for the location of the Metering Equipment related to the Minety 2 BESS.
- 3.2 A Metering Dispensation will allow for optimum registration of the Minety 2 BESS Metering System for the site connecting the project, through a dedicated circuit, to the wider DNO network.
- 3.3 Statkraft propose to install 176m of 132kV cable from the SSE Cable sealing end to the 132kV/33kV, 120MVA transformer.
- 3.4 Statkraft propose to compensate for the losses of the 120MVA 132kV/33kV Power Transformer.
- 3.5 Statkraft propose to compensate for the losses in the 33kV cabling and busbar (~201m) between the 33kV 3-Panel Switchgear and the 132kV/33kV transformer.
- 3.6 One of the unique requirements for this Metering Dispensation arises as a result of two projects being built at the same time on land directly adjacent to one another. This allows for the amalgamation of two separate points of connection into a single location, with the Defined Metering Point (DMP) being in the same location for the Metering Systems associated with each project.
- 3.7 The proposed reduction in plant and machinery is looked on favourably by the Local Planning Authority, lessening visual impact and other related environmental impacts.
- 3.8 Statkraft propose to simplify the design and environmental footprint of required infrastructure, which will provide significant cost savings relative to the overall project cost. In doing this they will deliver CoP1 metering for both projects rather than [CoP2](#)<sup>4</sup> metering arrangements (which would have been used with two separate connections).

### 4. MDRG comments

- 4.1 We circulated the Metering Dispensation application, Loss Compensation and its supporting documentation to the Metering Dispensation Review Group (MDRG) for comments (Attachments A, B & C).
- 4.2 Two responses received supporting the Metering Dispensation application.

### 5. LDSO comments

- 5.1 We circulated Metering Dispensation application and its supporting documentation to the Licensed Distribution System Operator (LDSO) for comments (Attachments A - B).
- 5.2 Awaiting comments. – will provide verbal update at meeting.

### 6. ELVA comments

- 6.1 We circulated the Metering Dispensation application and its supporting documentation to the Electrical Loss Validation Agent (ELVA) for comments (Attachments A,-B-C-D-E-F).
- 6.2 Awaiting comments – will provide verbal update at meeting.

### 7. Elexon's view

- 7.1 Elexon supports this lifetime Metering Dispensation application as CoP1 overall accuracy limits will be maintained at the DMP for the Minety 2 BESS Metering System.

### 8. Recommendation

- 8.1 We invite the ISG to:
  - a) **APPROVE** Metering Dispensation D/542, from CoP1, for the Minety 2 BESS Metering Equipment, on a lifetime basis.

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<sup>3</sup> 'Code of Practice for the metering of circuits with a rated capacity exceeding 100MVA for Settlements purposes'

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

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## Attachments

Attachment A – Metering Dispensation application D/542 – Minety 2 BESS

Attachment B – Single line diagram for Minety 2 BESS

Attachment C – Appendix 1\_50MW Minety 2

Attachment D – SIM-MIS-1-EL-REP-001\_01\_110120 MVA Grid Tx FAT Report\_1

Attachment E – G2E-MIS-1-EL-REP-0002\_02\_Minety 132kV and 33kV Cable Calculation Report\_1

Attachment F – PSG-33KV Copper Unarmoured Cable

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## For more information, please contact:

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