

## Metering Dispensation D/513 – Didcot Data Centre

ISG237

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**Summary** **EdF Energy has applied for a lifetime Metering Dispensation (D/513), against Code of Practice (CoP) 2, for the location of the Metering Equipment associated with the Didcot Data Centre. The Didcot Data Centre Metering Equipment will be to CoP1 standards and located a few metres above the Defined Metering Points (the points of connection to the Transmission System). We invite the ISG to approve D/513 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. Confidentiality

- 2.1 BSCP32 allows the Metering Dispensation applicant to request confidentiality via the application form (BSCP32/4.1).
- 2.2 In this case, the applicant has noted on the application form that the application is confidential. However, we have confirmed that the content of the application form itself is not confidential and that the applicant has requested that we only keep the metering single line diagrams (Attachment B) confidential for commercial reasons. This is to prevent Elexon making these details public on the BSC Website.

### 3. Background to Metering Dispensation D/513

- 3.1 Cloud HQ is building a new Data Centre near Didcot Power Station. The Didcot Data Centre has four distribution systems feeding off two 400kV/33kV super grid transformers (SGTs). The design of the system is to retain dual redundancy of power supply to the site (see Attachment B).
- 3.2 National Grid Electricity Transmission (NGET) has provided Metering Equipment to CoP1 standards on the incoming feeder from each SGT (SGTs 3 and 4) and the Cloud HQ has decided to use this Metering Equipment for commercial and practical reasons. Therefore, the two Actual Metering Points (AMPs) for the Settlement

<sup>1</sup> 'Metering'

<sup>2</sup> 'Metering Dispersations'

Metering System will be located just above the four Didcot Data Centre connections to the 33kV busbars (the Defined Metering Points (DMPs)). The distance is minimal between the AMPs and the DMPs.

- 3.3 If Cloud HQ had to install CoP2 Metering Equipment on its four feeder circuits at the DMPs, it would not be practical to do so due to limited space. Cloud HQ would need to install the Metering Equipment in each 33kV switch house (A1, A2, B1 and B2), away from the four points of connection to the Transmission System. This would require a Metering Dispensation from CoP2 for location.
- 3.4 In addition, there should be four BM Units allocated for this site, one for each set of Plant and Apparatus connected to the four Transmission System Boundary Points. However, due to the location of the metering, the Lead Party (EdF Energy), who will also be the Registrant of the Metering System for the Data Centre, has applied for two Non-Standard BMUs, one per SGT connection, in accordance with [BSCP15](#)<sup>3</sup> – ISG237/01.

#### 4. Metering Dispensation application D/513

- 4.1 EdF Energy has applied for a lifetime Metering Dispensation (D/513), against CoP2, for the location of the Metering Equipment associated with the Didcot Data Centre (Attachment A).
- 4.2 The Metering Equipment for the Didcot Data Centre is located on the two SGT circuits a few metres from the DMPs (i.e. the four points of connection to the Transmission System). The Registrant for the Data Centre is therefore requesting a lifetime Metering Dispensation from CoP2 to use two sets of CoP1 Metering Equipment at the AMPs rather than four sets of CoP2 Metering Equipment at the DMPs.
- 4.3 The Registrant does not propose to compensate the Metering System for the electrical losses between the AMPs and the DMPs as the losses are deemed not material to the accuracy of the Metering System.

#### 5. MDRG comments

- 5.1 We circulated the Metering Dispensation application (and attachments) to the MDRG for comments (Attachments A - B).
- 5.2 Three out of four MDRG members responded. One MDRG member is the appointed Meter Operator Agent so declined to comment. The other two MDRG members support the application on the following bases:
- the losses on the short length of busbar are not worth worrying about;
  - there is a negligible impact on Settlements.

#### 6. NETSO comments

- 6.1 We circulated the Metering Dispensation application (and attachments) to the National Electricity Transmission System Operator (NETSO) for comments (Attachments A - B).
- 6.2 The NETSO has no objection to the ISG granting a Metering Dispensation.

#### 7. Elexon's view

- 7.1 Elexon supports this application as the Didcot Data Centre Metering System overall accuracy will be maintained within CoP2 limits, as referred to the DMP.

#### 8. Recommendation

- 8.1 We invite the ISG to:
- a) **APPROVE** Metering Dispensation D/513, for Didcot Data Centre, on a lifetime basis.

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#### Attachments

Attachment A – Metering Dispensation application (D/513)

Attachment B (CONFIDENTIAL) – Overall Single Line Diagram (SLD) for Didcot Data Centre

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<sup>3</sup> 'BM Unit Registration'

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**For more information, please contact:**

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