

BSCP32/4.1 Application for a Metering Dispensation

Part A – Applicant Details

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| To: BSCCo | Date Sent: _02/05/2019_____ |
| From: Requesting Applicant Details | |
| Name of Sender: _____ Glenn Spirrett_____ | |
| Contact email address: _____ _____ | |
| Contact Tel. No. _____ | Contact Fax. No. _____ |
| Name of Applicant Company: _Uniper Technologies Ltd_____ | |
| Address: Technology Centre, Ratcliffe on Soar Nottingham | |
| | |
| | |
| Post Code: __NG11 0EE_____ | Our Ref: ___D475___ |
| Name of Authorised Signatory: _____ Glenn Spirrett_____ | |
| Authorised Signature: _____ | Password: _____ |

Confidentiality:

Does any part of this application form contain confidential information?

Request for Confidentiality **NO** **Delete as applicable*

If 'YES', please state the parts of the application form that are considered confidential, including justification below. Information that is considered confidential:

Reasons for requesting confidentiality:

number, site name, expiry date (if any) and BSC Panel determinations will routinely be made available in the public domain unless the applicant informs BSCCo otherwise at the time of application

BSCP32/4.1 Application for a Metering Dispensation (Cont.)**Part B - Affected Party Details**Number of Affected parties _____¹

| | |
|--|------------------|
| Contact Name at Affected party: Ian Rogers | |
| Contact email address: | |
| Contact Tel. No. | Contact Tel. No. |
| Company Name of Affected party: Uniper UK Ltd | |
| Address: Killingholme Power Station | |
| Chase Hill Road | |
| Killingholme North | |
| Lincolnshire | |
| Post Code: DN40 3LU | |

¹ For more than one Affected party, Part B should be completed for each, using additional copies of Part B as required.

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|--|------------------|
| Contact Name at Affected party: National Grid Contact email address: | |
| Contact Tel. No. | Contact Tel. No. |
| Company Name of Affected party: | |
| Address: | |
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| | |
| | |
| | |
| Post Code: | |

BSCP32/4.1 Application for a Metering Dispensation (Cont.)**Part C – Reason for Application**

If the application is an extension or update for an existing Metering Dispensation, enter existing ref: D/.....

Site Specific / Generic* *Delete as applicable.

Describe why you require a Metering Dispensation. Include any steps you propose to limit the impact on Settlement and other Registrants:

E.ON UK Killingholme power station removed the FMJL 400kV CTs on Module 2 on safety grounds in 2011. At the time the replacement CTs were not available and therefore post insulators were installed and temporary alternative existing CT windings were utilised for the reactive metering. These temporary CTs are Class 1, and only one winding was available. In December 2011 the ISG granted a temporary Metering Dispensation (D/372) for 18 months until 20 June 2013.

An extension was applied for and granted in 2013 (D/402) to June 2015, as it was anticipated that the planned outage would take place before then.

Due to the low running hours regime of the power station over past years, the planned outage was rescheduled to 2016. A further dispensation, D/445 was granted extending to the 31st December 2016 to align with this outage.

In 2015, E.ON decided to close the station and it ceased commercial operation in April 2015. Recently, the station has been awarded an SBR contract for the Winter 2016-2017 period. A further extension, D462 was granted in February 2016, to 1st May 2017.

Due to changes in electricity market conditions, the station has now been made commercially available and will operate in the STOR and Balancing Mechanism. Therefore we wish to extend this dispensation to the expected end of life of the station.

In June 2017 the ISG granted a temporary two year extension until 1 May 2019.

Update:

Uniper UK Ltd have now sourced replacement CTs, and the existing CTs will be replaced with code compliant CTs (0.2s accuracy) in the June/July 2019 outage. At return from the outage, the reactive power metering will then be fully complaint with the Code of Practice.

We therefore request that the existing dispensation, D475, be extended to 1st August 2019.

Period of Metering Dispensation required

Temporary

*Delete as applicable.

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|--|--|
| If temporary, indicate for how long the Metering Dispensation is required. | Extend to 1 st August 2019. |
|--|--|

Provide justified reasoning for the period of Metering Dispensation requested in the box below:

Rationale for duration of Metering Dispensation:

Non compliant CTs to be replaced June/July 2019.

Part D1 - Loss Adjustments for Power Transformer and/or Cable/Line Losses

Where loss adjustments are proposed and applied (or are to be applied) to the Metering System for power transformer and/or cable/line losses, provide the following information:

Describe how do you propose to correct the Metering System to account for the losses of this power transformer?

In order to validate the loss adjustments applied (or to be applied) to the Metering System please provide the following information together with supporting data (e.g. power transformer test certificates):

What are the iron losses for this power transformer?

What are the copper losses for this power transformer?

Are there any other losses that have been taken into account? Yes/No*. If Yes what are they?

Demonstrate how these elements of loss have been used in the corrections to the Metering System.

*Delete as applicable.

Describe how do you propose to correct the Metering System to account for the losses of the power cable/line?

In order to validate the loss adjustments applied (or to be applied) to the Metering System please provide the following information together with supporting data (e.g. cable/line manufacturer's data sheet):

What is the type of power cable/line?

What is the length of this power cable/line?

What is the DC resistance of this power cable/line?

What is the impedance of this power cable/line?

What is the capacitance of this power cable/line?

Are there any other losses that have been taken into account? Yes/No*. If Yes what are they?

Demonstrate how these elements of loss have been used in the corrections to the Metering System.

*Delete as applicable.

Materiality

Please complete the following:

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|--|---|
| What is the cost of providing compliant Metering Equipment? | What does this cost entail? |
| Estimated at £165000 | Installation of replacement of code compliant CTs |
| What is the cost of the proposed solution? | What does this cost entail? |
| | |
| What is the impact to Settlement of your proposed solution? | Why? |
| | The metering scheme remains with MCoP 1 limits for reactive power metering, with code compliant CTs |
| What is the impact to other Registrants of your proposed solution? | Why? |
| Nil | |

Site Details (for Site Specific Metering Dispensation)

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|--|---|
| Site Name: | Killingholme |
| Site Address: | Chase Hill Road North Killingholme Lincolnshire DN40 3NU |
| MSID(s): | 5022 |
| Registered in: CMRS / SMRS*: *Delete as applicable. | CMRS |
| For SMRS, please advise of SMRA in space provided. | |

Manufacturer Details (for Generic Metering Dispensation)

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| Manufacturer Name: | |
| Metering Equipment Details: | |

BSCP32/4.1 Application for a Metering Dispensation (Cont.)

Part D - Technical Details**Code of Practice details**

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|---|---|
| Metering Dispensation against Code of Practice* | MCoP1 |
| Issue of Code of Practice*: | Issue 2 |
| Capacity of Metering Circuits/Site Maximum Demand (MW/MVA): | 685 MVar max/module based on CT/VT ratings. |
| (Proposed) Commissioning Date of Metering: | Mid November 2011 |
| Accuracy at Defined Metering Point: | +/- 4.0% for Reactive Energy |
| Accuracy of Proposed Solution (including loss adjustments): | +/- 4.0% for Reactive Energy |
| Outstanding non-compliances on Metering Systems: | |
| Deviations from the Code of Practice (reference to appropriate clause): | |

* insert Code of Practice number and issue

Any Other Technical Information

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Declaration

We declare that other than as set out above we are in all other respects, in compliance with the requirements of the relevant Code of Practice and the BSC. A schematic is attached to this application for clarification of the metering points involved.

Signature:
2019

Date: 2nd May

Password:

Duly authorised for and on behalf of Applicant Company

Confirmation of Receipt and Reference

BSCCo acknowledges receipt of this document and has assigned the reference number as indicated on the first page.

Signature: M Smith.....
2019

Date: 7 May

Duly authorised for and on behalf of BSCCo