

BSCP32/4.1 Application for a Metering Dispensation

Part A – Applicant Details

To: BSCCo	Date Sent: 31/03/2017
From: Requesting Applicant Details	
Name of Sender: [REDACTED]	
Contact email address: [REDACTED]	
Contact Tel. No. [REDACTED]	Contact Fax. No. [REDACTED]
Name of Applicant Company: <u>Burbo Extension (UK) Limited</u>	
Address: 5 Howick Place,	
Post Code: SW1P 1WG	Our Ref: D461 update
Name of Authorised Signatory: [REDACTED]	
Authorised Signature: [REDACTED]	Password: [REDACTED]

Confidentiality:

Does any part of this application form contain confidential information?

Request for Confidentiality **YES** **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:

Appendix A to this form and annexes. The main form can be shared.

Reasons for requesting confidentiality:

The document in App. A and other Annexes are supplied by manufactures and these documents should be kept confidential from competitors.

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: None¹

Contact Name at Affected party: ██████████	
Contact email address: ██	
Contact Tel. No. ██████████	Contact Tel. No. ██████████
Company Name of Affected party: National Grid	
Address: National Grid House, Warwick Technology Park, Gallows Hill, Warwick	
Post Code: CV34 6DA	

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

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

Contact Name at Affected party:	
Contact email address:	
Contact Tel. No.	Contact Tel. No.
Company Name of Affected party:	
Address:	
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/461

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:

1. Introduction

DONG Energy has developed, built, and operated offshore wind farms for more than ten years in the UK. Since the introduction of the OFTO regime and the approval of P294 in 2013, to achieve full compliance with the current regulation for metering generator consumptions, all DONG Energy's projects under development and to connect in the future, have included a set of settlement meters to measure the generation at the Offshore Grid Entry Point and the consumption of LV equipment that belongs to the Generator in both onshore and offshore substation. Some of this equipment requires DC supply and a specific meter to measure its consumption. The DC circuits involved have a rating which would normally make the requirements of BSC Code of Practice 5 (CoP 5) applicable, however a fully compliant COP5 metering system cannot be used as COP5 relates specifically to metering for alternating current (AC) circuits. There are currently no devices registered under the Electricity Act 1989 or compliance tested under BSCP601 for DC measurement that can provide full compliance with Code of Practice 5. A dispensation against the particular clauses in COP5 which are affected is therefore required. DONG Energy has worked with Siemens Operational Services, which supplies the metering system, to find a solution that satisfies all the metering requirements.

DONG Energy has previously applied for a dispensation (D/461) that to satisfy the relevant requirements by using a DC solution which has been granted by the SVG Panel on 02/02/2016. When raised the dispensation application defined a technical solution that would use DC transducers of a specific type (Powertek CTH/100A/4-20/TH/9-36V) including a rating of 100A. However, due to the technical availability of the equipment and the current needs of offshore wind farm LV DC systems, the same equipment with rating of 20A, 50A and 200A may be also required. Therefore, this application seeks to amend the existing generic dispensation to allow for additional ratings to be added.

We would like to highlight that the change of the rating does in no way impact the accuracy class of the metering which will remain within the limits of CoP5. Furthermore, all other specifications of the DC metering solution outlined in the application for D/461 remain unchanged.

Period of Metering Dispensation required

Lifetime

*Delete as applicable.

If temporary, indicate for how long the Metering Dispensation is required.	N/A
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Provide justified reasoning for the period of Metering Dispensation requested in the box below:

Rationale for duration of Metering Dispensation:

The proposed solution will be in place for the entire lifetime of the wind farm and, unless a change to the current regulation is made, a lifetime derogation will be required.

Materiality

Please complete the following:

What is the cost of providing compliant Metering Equipment?	What does this cost entail?
No solutions in accordance to CoP are currently available for DC meters, so it is not possible to quantify a compliant solution for comparison	
What is the cost of the proposed solution?	What does this cost entail?
No solutions in accordance to CoP are currently available for DC meters, so it is not possible to quantify a compliant solution for comparison	
What is the impact to Settlement of your proposed solution?	Why?
There is no impact to Settlement	The overall accuracy limits for CoP5 are maintained.
What is the impact to other Registrants of your proposed solution?	Why?
None, no other parties will be affected.	

Site Details (for Site Specific Metering Dispensation)

Site Name:	N/A
Site Address:	N/A
MSID(s):	N/A
Registered in: CMRS / SMRS*: *Delete as applicable.	N/A
For SMRS, please advise of SMRA in space provided.	N/A

Manufacturer Details (for Generic Metering Dispensation)

Manufacturer Name:	Multiple manufactures, See attached annexes for all details
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	<ul style="list-style-type: none">- 020.2 - AcuDC-240-DC-Power-Energy-Meter-Brochure.pdf- 020.3 - dca-sensor-cth.pdf 020.4 - A1700D_brochure.pdf
Metering Equipment Details:	See attached annexes for all details <ul style="list-style-type: none">- 020.2 - AcuDC-240-DC-Power-Energy-Meter-Brochure.pdf- 020.3 - dca-sensor-cth.pdf 020.4 - A1700D_brochure.pdf

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

Metering Dispensation against Code of Practice*	Code of Practice 5
Issue of Code of Practice*:	Issue 6 (version 12)
Capacity of Metering Circuits/Site Maximum Demand (MW/MVA):	up to 0.025MW
(Proposed) Commissioning Date of Metering:	Dates differ and are project specific
Accuracy at Defined Metering Point:	As per CoP.5 section 4.3
Accuracy of Proposed Solution (including loss adjustments):	As per CoP.5 section 4.3
Outstanding non-compliances on Metering Systems:	N/A
Deviations from the Code of Practice (reference to appropriate clause):	All relevant clauses as CoP 5 is specific to the metering of energy transfers on AC circuits (See part C table in section 2).

* insert Code of Practice number and issue

Any Other Technical Information**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: *Date:*

Password:

Duly authorised for and on behalf of Applicant Company

Confirmation of Receipt and Reference

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

Signature: *Date:*

Duly authorised for and on behalf of the BSCCo

