

BSCP32/4.1 Application for a Metering Dispensation

Part A – Applicant Details

To: BSCCo		Date Sent: 20 December 2021
From: Requesting Applicant Details		
Name of Sender: Christopher		
Day _____		
Contact email address: metering@elxon.co.uk		

Contact Tel. No. 07917471366	Contact Fax.	
	No. _____	
Name of Applicant Company: Elxon		

Address: 350 Euston Road, London,		

Post Code: NW1 3AW		Our Ref: D/536

Name of Authorised Signatory:		

Authorised Signature: C Day	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

Does this Metering Dispensation affect the metering arrangements for a generator that has applied for/obtained a CFD Agreement? Yes No

If Yes, you must contact the Low Carbon Contracts Company and advise them of your Metering Dispensation application and include them as an Affected Party.

Have you notified all Affected Parties? Yes No

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.

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/.....

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:

Issue 97

Issue 97 - Meter shortage risk driven by global materials availability and supply chain challenges was raised on 20 August 2021.

Due to a global shortage of materials and the on-going impacts of COVID-19 on global supply chains, there is a shortage of semi-conductors among other crucial components, which impacts the ability of Meter manufacturers to produce Meters.

This is impacting on the availability of various types of electricity Meters including those required for Settlement under the BSC. This shortage of Settlement Meters could impact on a number of Balancing and Settlement Code (BSC) processes. This issue is also impacting the availability of Current Transformer (CT) metering, which has the highest potential for material impact (due to usually being installed at higher consumption/higher voltage sites).

Under Issue 97 Elexon has conducted a Request For Information (RFI) to understand the immediate, short-term, medium term and potential long term impacts of the Meter shortage. The responses are included as an attachment to this Metering Dispensation but forecast an increasing impact on processes under the BSC for the next three to 12 months; particularly among Meter manufacturers and Meter Operators.

One of the mitigation options recommended by the Issue 97 group was to raise a temporary Metering Dispensation from the requirement periodically calibrate Meters when they have been in situ for a certain amount of time. CoP4 Appendix A sets out the maximum period for which Meters can be installed without re-calibration by CoP. Allowing MOAs to leave Meters installed without the need for re-calibration will help alleviate the pressures currently faced with attempting to replace Meters under the current Meter shortage conditions as most MOAs replace the Meter before the maximum period for re-calibration is reached (particularly for CoP3 and CoP5 Metering Systems). The Metering Dispensation is proposed for a period of 18 months from the date of approval.

This Metering Dispensation is proposed to only apply to re-calibration of Meters registered against CoPs 3 and 5. The Issue 97 group felt that the benefits achieved by granting a temporary derogation from the requirement to re-calibrate did not outweigh the risks of Meters drifting outside of the accuracy limits prescribed in the relevant CoP, where Meters were registered against CoPs 1 or 2. CoP10 is not included because CoP10 Meters are not subject to periodic calibration for Settlement purposes.

The maximum periods for re-calibration are detailed below for information.

The different types of Calibration carried out are:

- A Type A Calibration is an initial Calibration carried out under Reference Conditions prior to installation;

- A Type B Calibration is a periodic Calibration carried out to indicate no adverse impact on accuracy over time; and
- A Type C Calibration is a periodic Calibration, similar to Type A, but not necessarily under Reference Conditions.

Elxon proposes that a condition to this Metering Dispensation should be added so that any Meters that were due for calibration in the time period (18 months from approval) for which the Metering Dispensation applies should be re-calibrated or replaced within two years of the end date of this Metering Dispensation.

By Year	0	5	10	15	20	25	30	35	40
CoP1 & CoP2	A	-	C	-	C	-	C	-	C
		B _m ¹²	B _c	C _m + B _c	B _m	B _c	C _c + B _m	B _m	B _c
CoP3, 5, 6 & 7	A	-	-	B	C	B	B	B	C

Period of Metering Dispensation required

Temporary

*Delete as applicable.

If temporary, indicate for how long the Metering Dispensation is required.	18 Months from the date of approval
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Provide justified reasoning for the period of Metering Dispensation requested in the box below:

Rationale for duration of Metering Dispensation:

To allow for MOAs to leave Meters registered against CoPs 3 and 5 in situ without the need for re-calibration so that the pressures and challenges of replacing Meters in the current Meter shortage conditions can be alleviated until such time Meters are readily available again.

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?

N/A

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?

N/A

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:

What is the cost of providing compliant Metering Equipment?	What does this cost entail?
N/A	N/A
What is the cost of the proposed solution?	What does this cost entail?
N/A	N/A
What is the impact to Settlement of your proposed solution?	Why?
<p>There is a risk that Meters that are left in situ without re-calibration may drift so that Metering Systems no longer meet the Overall Accuracy requirements of the relevant CoP (3, 5).</p> <p>Exelon feel that by limiting the scope of this Metering Dispensation to CoPs 3 and 5 will alleviate this risk somewhat. The condition to re-calibrate Meters that fall within the scope of this Metering Dispensation within two years of the end date of the Metering Dispensation will also ensure that Meters that have drifted and would fail a re-calibration test if were to be re-calibrated do not remain in situ indefinitely.</p>	
What is the impact to other Registrants of your proposed solution?	Why?
N/A	N/A

Site Details (for Site Specific Metering Dispensation)

Site Name:	
Site Address:	
MSID(s):	
Registered in: CMRS / SMRS*: *Delete as applicable.	

For SMRS, please advise of SMRA in space provided.	
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Manufacturer Details (for Generic Metering Dispensation)

Manufacturer Name:	Any manufacturer whose Meters are registered for Settlement purposes
Metering Equipment Details:	Any Meter that are registered for Settlement purposes against CoPs 3 or 5 and are due for a periodic calibration under a CoP4 in the next 18 months.

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

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

Metering Dispensation against Code of Practice*	CoP4.
Issue of Code of Practice*:	Issue 6 (version 14)
Capacity of Metering Circuits/Site Maximum Demand (MW/MVA):	Meters registered against CoPs 3 and 5
(Proposed) Commissioning Date of Metering:	N/A
Accuracy at Defined Metering Point:	N/A
Accuracy of Proposed Solution (including loss adjustments):	N/A
Outstanding non-compliances on Metering Systems:	N/A
Deviations from the Code of Practice (reference to appropriate clause):	CoP4 Appendix A (rows related to CoPs 3 and 5).

* 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: *Date:*

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: C Day *Date:.. 17 December 2021*

Duly authorised for and on behalf of BSCCo