## BSCP32/4.1 Application for a Metering Dispensation

Part A – Applicant Details

| | |
|---|---|
| **To: BSCCo** | **Date Sent:** 4 October 2023 |
| **From: Requesting Applicant Details**<br>Name of Sender:<br>Contact email address:<br>Contact Tel. No. | Contact Fax. No. N/A |
| Name of Applicant Company: Elexon Ltd for and on behalf of: | |
| Address: SMS PLC | |
| 2nd Floor | |
| 48 St Vincent Street | |
| Glasgow | |
| Post Code: G2 5TS | Our Ref: |
| **Name of Authorised Signatory:**<br>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:<br>……<br>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 |


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

### Part B - Affected Party Details

Number of Affected parties: All BSC 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.


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## 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:

SMS PLC (SMS) currently holds a stock of Circa 100 CEWE Prometer R&W Half Hourly Integral Outstation Meters that are unused and available to install. These Meters came into our possession through the purchase of SSE Large Power metering in 2021.

The CEWE Prometer R&W Meters comply with the previous Issues of CoPs 1[2], 2[3], 3[4], 5[5] and 10[6] but have not been confirmed as compliant, by the Meter manufacturer, with the new Issues of CoPs 1, 2, 3, 5 and 10, released on 30 June 2022 (due to CP1527[7]). Generic Metering Dispensation D/535 covers the use of Meter/Outstation types that comply with the previous Issues of these CoPs. With the end of Metering Dispensation D/535, due on 30th December 2023, SMS will find itself with a considerable number of these Meters remaining, estimated at least 75% of current stock. The cost to replace these Meters, with the current Prometer 100, will exceed £90,000.

P375[8] introduced CoP11[9] (Issue 1) on 30 June 2022. Half Hourly Integral Outstation Meters approved under CoPs 1, 2, 3, 5 and 10 can be used as part of a CoP11 Metering System as Asset Metering Types 1, 2, 3 or 4, if approved under the relevant section of BSCP601[10] for compliance testing against CoPs 1, 2, 3, 5 and 10 (i.e. Section 3.4[11]).

The CEWE Prometer R&W is technically capable of complying with the updated requirements of the new the Issues of the CoPs 1, 2, 3, 5 and 10 (and therefore Asset Metering Types 1, 2, 3 and 4 under CoP11). SMS has spoken to Secure Meters (the Meter manufacturer) who have advised that they are not planning to submit the Meter Types for Compliance Testing under BSCP601, for the new Issues of the CoPs 1, 2, 3, 5 or 10, or CoP11 Issue 1, due to the Prometer 100 being the replacement for the Prometer R&W.

These are the new requirements for Outstations, due to CP1527:

- Increase the minimum data storage capacity for Settlement Outstations to 90 days per Outstation channel, at 30 minutes integration periods, for CoPs 1, 2, 3, 5 and 10.

[2] 'Code of Practice for the metering of circuits with a rated capacity exceeding 100MVA for Settlement Purposes'
[3] 'Code of Practice for the metering of circuits with a rated capacity not exceeding 100MVA for Settlement Purposes'
[4] 'Code of Practice for the metering of circuits with a rated capacity not exceeding 10MVA for Settlement Purposes'
[5] 'Code of Practice for the metering of energy transfers with a Maximum Demand of up to (and including) 1MW for Settlement purposes'
[6] 'Code of Practice for the metering of energy via low voltage circuits for Settlement purposes'
[7] 'Increase the minimum data storage capacity for Settlement Outstations and mandate specific selectable integration periods for Metering Codes of Practice'
[8] 'Settlement of Secondary BM Units using metering behind the site Boundary Point'
[9] 'Code of Practice for the metering of Balancing Services Assets for Settlement purposes'
[10] 'Metering Protocol Approval and Compliance Testing'
[11] 'Specification for Compliance Testing of Metering Equipment for Codes of Practice One, Two, Three, Five and Ten'


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- Mandate specific, selectable, integration periods for CoPs 3, 5, and 10 (i.e. 30, 20, 15, 10 and 5 minutes) and add a test for this requirement (and for CoPs 1 and 2) into BSCP601

As shown in the Prometer R&W manual extract below, the Prometer R&W are capable of logging intervals at 1, 2, 5, 10, 15, 20, 30 and 60 minutes and have a data storage capacity of 186 days for six channels and 260 days for four channels, exceeding the minimum requirement of the new Issues of the relevant CoPs.

| Logging interval (min) | Number of logging channels | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 30 | 50 |
| 1 | 21 | 14 | 10 | 8.6 | 7.2 | 6.2 | 5.4 | 4.8 | 4.3 | 3.9 | 1.4 | 0.8 |
| 2 | 43 | 28 | 21 | 17 | 14 | 12 | 10 | 9.6 | 8.6 | 7.9 | 2.8 | 1.7 |
| 5 | 108 | 72 | 54 | 43 | 36 | 31 | 27 | 24 | 21 | 19 | 7.0 | 4.2 |
| 10 | 217 | 144 | 108 | 86 | 72 | 62 | 54 | 48 | 43 | 39 | 14 | 8.5 |
| 15 | 326 | 217 | 163 | 130 | 108 | 93 | 81 | 72 | 65 | 59 | 21 | 12 |
| 20 | 435 | 290 | 217 | 174 | 145 | 124 | 109 | 97 | 87 | 79 | 28 | 17 |
| 30 | 652 | 434 | 326 | 260 | 217 | 186 | 163 | 144 | 130 | 118 | 42 | 25 |
| 60 | 1304 | 869 | 652 | 521 | 434 | 372 | 326 | 289 | 260 | 237 | 84 | 51 |

SMS currently has a schedule of ongoing works that will use these Meters over the next 15 months where the remaining Prometer R&W stock will be depleted. SMS has sufficient spare parts to cover upcoming installs and future fault work.

The Prometer 100 and L+G E650/E850 are currently being on-boarded to be used as the primary Metering Equipment once the Prometer R&W stock is depleted.

We are happy for this Metering Dispensation to be utilised by any company that requires the continued use of existing stocks of Prometer R&W meters.

## Period of Metering Dispensation required.

Temporary.

| | |
|---|---|
| If temporary, indicate for how long the Metering Dispensation is required. | 12 months from expiry of D/535 |

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

Rationale for duration of Metering Dispensation:

The schedule of upcoming works for SMS aims to use the remaining stock of Prometer R&W Meters over the next 15 months. With D/535 expiry due on 30th Dec 2023 this would mean a temporary Metering Dispensation of 12 months, to 30 Dec 2024, would be required.


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## 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 or Asset Metering System for power transformer and/or cable/line losses, provide the following information:

Describe how do you propose to correct the Metering System, or Asset 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, or Asset 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, or Asset 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, or Asset 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?


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What is the capacitance of this power cable/line?

N/A

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, or Asset Metering System.

*Delete as applicable.


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## Materiality

Please complete the following:

| What is the cost of providing compliant Metering Equipment or Asset Metering Equipment? | What does this cost entail? |
|---|---|
| Above £60,000 | Disposal of existing stock and replacement with Prometer 100 |
| What is the cost of the proposed solution? | What does this cost entail? |
| £0 | N/A |
| What is the impact to Settlement of your proposed solution? | Why? |
| None | The Prometer R&W Meter types comply with the previous Issues of CoPs 1, 2, 3, 5 and 10 and are listed on the CoP Compliance an Protocol Approval list on the BSC Website. According to the Meter manufacturer's manual, the Prometer R&W Meter types would also comply with the new Issues of CoPs 1, 2, 3, 5 and 10, and CoP11 Issue 1 (as Asset Metering Types 1, 2, 3 or 4). |
| What is the impact to other Registrants of your proposed solution? | Why? |
| None | The Prometer R&W Meter types comply with the previous Issues of CoPs 1, 2, 3, 5and 10 and are listed on the CoP Compliance an Protocol Approval list on the BSC Website. According to the Meter manufacturer's manual, the Prometer R&W Meter types would also comply with the new Issues of CoPs 1, 2, 3, 5 and 10, and CoP11 Issue 1 (as Asset Metering Types 1, 2, 3 or 4). |

## Site Details (for Site Specific Metering Dispensation)

| | |
|---|---|
| Site Name: | N/A |
| Site Address: | N/A |
| MSID(s) / AMSID(s):<br>*Delete as applicable. | N/A |


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| | |
|---|---|
| Registered in: CMRS / SMRS / AMRS*:<br>*Delete as applicable. | N/A |
| For SMRS, please advise of SMRA in space provided. | N/A |

**Manufacturer Details (for Generic Metering Dispensation)**

| | |
|---|---|
| Manufacturer Name: | CEWE (owned by Secure Meters) |
| Metering Equipment / ~~Asset Metering Equipment Details~~*:<br>*Delete as applicable | Prometer R&W Meter types |


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

### Part D - Technical Details

**Code of Practice details**

| | |
|---|---|
| Metering Dispensation against Code of Practice* | CoPs 1, 2, 3, 5, 10 and 11 |
| Issue of Code of Practice*: | Issue 3, Issue 5, Issue 6, Issue 7, Issue 3 and Issue 1, respectively |
| If against Code of Practice 11 against which Asset Metering Type | Asset Metering Types 1, 2, 3 and 4 |
| Capacity of Metering Circuits/Site Maximum Demand (MW/MVA): | As appropriate for relevant CoP |
| (Proposed) Commissioning Date of Metering: | For registration in Settlement up to, and including, 30 December 2024 |
| Accuracy at Defined Metering Point: | As per relevant CoP |
| Accuracy of Proposed Solution (including loss adjustments): | As per relevant CoP |
| Outstanding non-compliances on Metering Systems or Asset Metering Systems*: | N/A |
| *Delete as applicable | |
| Deviations from the Code of Practice (reference to appropriate clause): | CoPs 1, 2, 3, 5 and 10:<br>"1. Scope<br>…<br>Meters and Outstations referred to in this Code of Practice shall only achieve successful compliance in respect of any testing detailed in this Code of Practice if the requirements set out in accordance with BSCP601 are also observed and successfully completed or a valid Metering Dispensation has been granted covering any departure from the requirements as detailed in this Code of Practice."<br><br>CoP11:<br>"1. Scope<br>…<br>Asset Meters and Outstations referred to in this Code of Practice shall only achieve successful compliance in respect of any testing detailed in this Code of Practice if the requirements set out in accordance with BSCP601 are also observed and successfully completed or the Registrant has been granted a valid |


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| | |
|---|---|
| | Metering Dispensation covering any departure from the requirements as detailed in this Code of Practice.” |
| | |

* insert Code of Practice number and issue

## Any Other Technical Information

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|---|
| |


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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: 4 October 2023*

*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: Date: ..... 4 October 2023*

Duly authorised for and on behalf of BSCCo


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