

Consultation for Allocation of New Grid Supply Points (GSPs) to a GSP Group – GSP BARKR_A (Barking Central – Eastern) and GSP BARKR_C (Barking Central – London)

Target Audience **BSC Parties**

Purpose of paper **For consultation**

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Classification **Public**

Deadline for responses **01 March 2021 17:00**

Summary As part of a 132kV Switchgear change at Barking Central Substation, the National Electricity Transmission System Operator (NETSO) and the affected Licensed Distribution System Operator (LDSO) (UK Power Networks) are taking the opportunity to regularise the connection arrangement where supplies to two LDSO Networks (UK Power Networks (Eastern Power Networks) (EASTELEC) and UK Power Networks (London Power Networks) (LPN)) are currently the subject of a difference metering scheme.

This involves the registration of two 'new' GSPs to be known as BARKR_A for EASTELEC, and BARKR_C for LPN, and the eventual de-registration of the existing Grid Supply Point (GSP) BARKC1 registered to LPN and the Distribution System Connection Point (DSCP) BARKC_A registered to EASTELEC.

BSC Parties are invited to respond to this consultation using the proforma available on the [Consultations page](#) of the Elexon website. Please return responses to bm.unit@elexon.co.uk by 17:00 on Monday 01 March 2021.

1. Introduction

1.1 Section K1.8 of the Code states that the Panel may consider revising the GSPs¹ comprised in a Group of GSPs (including the establishment of a Group of GSPs):

- Where a new GSP is commissioned or an existing GSP is decommissioned; or
- Where the Panel consider it appropriate to do so.

1.2 As part of a 132kV Switchgear change at Barking Central Substation, the NETSO and the affected LDSO (UK Power Networks) are taking the opportunity to regularise the connection arrangement where supplies to two LDSO Networks (UK Power Networks (Eastern Power Networks) (EASTELEC) and UK Power Networks (London Power Networks) (LPN)) are currently the subject of a difference metering scheme. (Metering Dispensations D/76² & D/11³).

1.3 This involves the registration of two 'new' GSPs to be known as BARKR_A for EASTELEC, and BARKR_C for LPN, and the eventual de-registration of the existing Grid Supply Point (BARKC1) registered to LPN and the deregistration of the Distribution System Connection Point (DSCP) BARKC_A registered to EASTELEC.

1.4 The NETSO proposes that:

¹ Section X, Annex X-1 of the Balancing and Settlement Code (BSC) defines a Grid Supply Point as 'a Systems Connection Point at which the Transmission System is connected to a Distribution System and includes an Offshore Transmission Connection Point'.

² The existing Metering Equipment for GSP_BARKC1 is located in the 275/132kV substation at the SGT1B, 2B, 3B and 4B 132kV terminals and not at the commercial interface on the outgoing feeder connections from the old Air Insulated Switchgear (AIS) 132kV busbars at Barking Central 132kV substation. The metered volumes for the two feeders to Eastern Power Networks (II_BARKC_A) are differenced off at a GSP Group Take level.

³ The existing Metering Equipment for II_BARKC_A is located at the Crowlands Road Bulk Supply Point (BSP) and not at the commercial interface on the outgoing feeders from the old AIS 132kV busbars at Barking Central.

- 1.5 GSP BARKR_A is allocated to the Eastern (_A) GSP Group;
GSP BARKR_C is allocated to the London (_C) GSP Group; and
GSP BARKC1 is (eventually) removed from the London (_C) GSP Group.⁴

2. Points that the Panel may consider when allocating new GSPs to new GSP Groups

- 2.1 Section K1.8.3 of the Code states that the GSPs to be comprised in a Group of GSPs must be determined by the Panel with regard to, among other things:
- a) The effect of geographic factors in establishing Daily Profile Coefficients in relation to a GSP Group for the purposes of Supplier Volume Allocation;
 - b) The effect of the size of a GSP Group (that is the numbers of Half Hourly and Non Half Hourly Metering Systems at Boundary Points in the GSP Group) on GSP Group Correction Factors for the purposes of Supplier Volume Allocation; and
 - c) The effect of the proximity (in terms of electrical connection) of Boundary Points on the value to the Transmission Company (in the operation of the Transmission Company) of Physical Notifications and Bid-Offer Pairs submitted in relation to Supplier BM Units.
- 2.2 Please note that the Panel has delegated its authority in determining GSP allocations to the Supplier Volume Allocation Group (SVG).

Respondents' views are sought on these factors when assessing the GSP BARKR_A (Barking Central – Eastern) and GSP BARKR_C (Barking Central – London) registration and the GSP BARKC1 deregistration.

- 2.3 Prior to the SVG making any revision of the Grid Supply Points to be comprised in a Group of GSPs, the Code requires the Panel to consult with the Authority, the NETSO, the Licensed Distribution System Operators comprised or to be comprised in relevant GSP Groups and all Suppliers (Section K1.8.4 of the Code).

3. Consultation

- 3.1 ELEXON has received notification of two new GSP registration applications and one GSP deregistration from the NETSO. The following GSP Registration details have been received:

Registration

GSP ID	GSP BARKR_A
GSP Name	Barking 132kV – Eastern GSP
Address	Barking 132kV GIS Substation, Renwick Road, Creekmouth, Barking IG11 0EB
LDSO to which GSP connecting	UK Power Networks (Eastern Power Networks) (EASTELEC)
Prospective Registrant of the Metering Systems associated with GSP	UK Power Networks (Eastern Power Networks) (EASTELEC)
Proposed Effective From Date of Registration	29 March 2021

⁴ Although not part of the Consultation, DSCP BARKC_A will also eventually be removed from the Eastern (_A) and London (_C) GSP Groups.

GSP ID	GSP BARKR_C
GSP Name	Barking 132kV – London GSP
Address	Barking 132kV GIS Substation, Renwick Road, Creekmouth, Barking IG11 0EB
LDSO to which GSP connecting	UK Power Networks (London Power Networks) (LPN)
Prospective Registrant of the Metering Systems associated with GSP	UK Power Networks (London Power Networks) (LPN)
Proposed Effective From Date of Registration	10 May 2021

De-registration

GSP ID	GSP BARKC1
GSP Name	Barking 132kV – Eastern GSP
Address	Barking 132kV AIS Substation, Renwick Road, Creekmouth, Barking IG11 0EB
LDSO to which GSP is disconnecting	UK Power Networks (Eastern Power Networks) (EASTELEC)
Current Registrant of the Metering Systems associated with GSP	UK Power Networks (Eastern Power Networks) (EASTELEC)
Proposed Effective From To date of De-registration	TBC

4. The NETSO's proposal

- 4.1 The GSP BARKR_A should be allocated to the Eastern (_A) GSP Group because the System Connection Points will be from the NETSO to the UK Power Networks (Eastern Power Networks) (EASTELEC) _A Distribution System.
- 4.2 The GSP BARKR_C should be allocated to the London (_C) GSP Group because the System Connection Points will be from the NETSO to the UK Power Networks (London Power Networks) (LPN) _C Distribution System.
- 4.3 No changes to the allocation of GSPs are required as a result of the deregistration of GSP BARKC1. This is because these works and consequent registration changes are being undertaken to regularise an existing situation. The new GSPs replace an existing GSP and DSCP connected to the Eastern and London Distribution Systems.

5. Next Steps

- 5.1 You are invited to respond to this consultation using the consultation proforma. Please return responses, entitled “**Barking Central GSP Consultation**” to bm.unit@elexon.co.uk by **17:00 on Monday 01 March 2021**.

For more information, please contact:

Dnieper Cruz, Product Analyst

Dnieper.cruz@elexon.co.uk

020 7380 4346