4.12 BSCP15/4.13 Application for Non-Standard BM Unit

To: BSCCo	**Date Sent:**
From: Participant Details	
Party ID: REGPOWER	**Name of Sender: Tony Charlton**
Contact email address: tony.charlton@centrica.com	
Our Ref:	**Contact Tel. No. 07557615990**
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Name of Authorised Signatory[1]: Tony Charlton	
Authorised Signature:	**Password:**

Confidentiality

This form, associated diagrams and BSC Panel documents will routinely be made available in the public domain unless the applicant informs BSCCo otherwise at the time of application

Request for Confidentiality YES/~~NO~~* *Delete as applicable

If 'YES', what is confidential?

Confidential[2]?	**Yes/No (if only part then indicate which part)**
Application form	
Diagrams	
BSC Panel Documents	

Justification for requesting confidentiality:

Site Details

BM Unit Id(s) (if known):	E_ROOSB-1
BM Unit Name(s) (Max 30 Characters):	Roosecote BESS
National Grid BM Unit Id(s) (if known and applicable):	ROOSB-1

[1] If the BSCP38 Authorisations process has not been completed, this form can be signed by a registered company director and accompanied by a letter on company stationery signed by the same registered company director.
[2] BSCCo will publish all Panel determinations, though for confidential papers the details will be anonymised. BSCCo is required to keep a list of all Non-Standard BM Unit determinations which must be made available to any Party upon request.

Application:

Why are you applying for a Non-Standard BM Unit (please tick)

The Plant and Apparatus does not fall into one of the standard categories in K3.1.4	
The Plant and Apparatus does fall into one of the standard categories in K3.1.4 but a different configuration satisfies the requirements for BM Units in K3.1.2	✓
The Plant and Apparatus Exports or Imports are at a CVA Boundary Point at which there are other Exports or Imports for which another person is responsible (the Plant and Apparatus may or may not be of a Standard BM Unit configuration)	

Description of Non-Standard BM Unit configuration

The Roosecote battery asset will be controlled as a single 49 MW storage unit rather than the individual sub-components. The proposed scheme configuration satisfies the requirements of K.3.1.2 and can be considered as a single BM Unit.

Although Centrica understands that as energy storage is not explicitly defined as a standard BMU under the BSC section K paragraph 3,1,4 there is a requirement to apply for a non-standard BMU status.

Please provide electrical single line diagram(s) of the Plant and Apparatus included in the Non-Standard (and any Standard) BM Unit(s) to support your application. The diagrams need to clearly show the location of the Metering Equipment, in particular the Settlement Current and Voltage Transformers (CTs/VTs) and CT/VT ratios, all existing Boundary Points and any System Connection Points at or near the proposed Boundary Point(s) and which items of Plant and Apparatus comprise which Non-Standard (and any Standard) BM Unit(s).

List of electrical single line diagrams attached and description of Plant and Apparatus covered by each diagram.

Rationale

Rationale with reference to BSC Section K3.1 for the request for the Non-Standard BM Unit:

Under 3.1.2(b) a BM Unit must be the smallest plant and/or apparatus that can be controlled independently. In the case of the Roosecote battery asset there will be one control point that controls the output of all the individual sub-components. Centrica's intention was always to operate the RBESS battery unit and deliver to National Grid as a single BMU.

The site connects to Electricity North West (ENW at 132 kV). The site consists of a 132/11 kV transformer connecting via a circuit breaker to a single switchboard comprising of 16 circuit breakers. 16 of the 11 kV circuit breakers connect to identical inverter transformers that in turn connect to inverters and Battery Groups.

The battery storage site has 16 five-winding 3.48MVA 11/0.52 kV transformers. The point of common coupling and the point of connection are the 132 kV busbar at Roosecote substation.

Justification for operating as a single entity

- The costs associated with maintaining MSID metering, CVA BM Units and CT/VTs would be sixteen times higher than necessary for a single BM unit with no identifiable benefit.
- Operational complexity would ensue for National Grid with sixteen sets of data submission via EDT from the Trading Point and the need for NGET to issue sixteen simultaneous instructions to the Control Point to achieve a single desired outcome from one energy storage scheme.
- ABSVD complexity for 16 units as opposed to 1; from an Elexon BSC perspective.
- Un-necessary resourcing costs associated with control and systems to process and settle instructions for 16 separate BM unit
- Similar Battery Storage assets already being classified as non-standard-BMU akin to power park module where operational pragmatism is applied.

For the above reasons we believe that Roosecote Battery should qualify for non-standard BMU status.