

4.3 CP Form

Change Proposal – BSCP40/02	CP No: 1422 <i>Version No: 1.0</i> <i>(mandatory by BSCCo)</i>
Title (mandatory by originator) Add a DMP for an Offshore Transmission Connection Point to the HH Codes of Practice	
Description of Problem/Issue (mandatory by originator) <p>Section K (Classification and Registration of Metering Systems and BM Units) of the Balancing and Settlement Code (BSC) requires Parties who are responsible for flows of electricity (i.e. imports and exports) between Systems at Systems Connection Points (SCPs) and the flows of electricity (i.e. Imports and Exports) to or from Plant or Apparatus connected to the Total System at Boundary Points, to be measured and recorded by compliant Metering Equipment.</p> <p>Section L (Metering) requires Metering Equipment to comply with the requirements in the relevant metering Code of Practice (CoP) at the time the Metering Equipment is first registered for Settlements as a Metering System or be the subject of, and comply with, a Metering Dispensation. The Metering Dispensation process is set out in BSCP32 (Metering Dispensations) and Metering Dispensation applications need to be approved by the BSC Panel. The BSC Panel has delegated responsibility for the CoP documents to two of its BSC Panel Committees: the Imbalance Settlement Group (ISG) and the Supplier Volume Allocation Group (SVG). The ISG is responsible for the CoP 1, 2, 3 and 4 documents and the SVG is responsible for the CoP 3, 4, 5, 6, 7, 8, 9 and 10 documents. Metering Dispensation applications against CoPs 3 and 4 therefore need to be approved by both committees</p> <p>As well as defining the accuracy class of individual items of Metering Equipment, the CoPs also define the points at which measurement of electricity is required and the limits of overall accuracy of measurement required at these points. These points of measurement are called the Defined Metering Points (DMPs) and are set out in Appendix A of the Half Hourly (HH) CoPs (CoPs 1, 2, 3, 5 and 10).</p> <p>Metering Equipment cannot always be installed at the DMP for practical or financial reasons so where the Actual Metering Point (AMP) doesn't coincide with the DMP a Metering Dispensation needs to be approved and compensation for electrical losses, in power transformers and/or lines, to the DMP needs to be considered. If required, compensation needs to be implemented either in the Meters or in the Data Collector's system (e.g. via the Aggregation Rule, for Central Volume Allocation (CVA) registered Metering Systems).</p> <p>Similarly, if Metering Equipment can be installed at the DMP but this doesn't coincide with the point of connection a Metering Dispensation needs to be approved to correct for losses from the DMP to the point of connection.</p> <p>In 2007, Ofgem and the Department of Energy and Climate Change (DECC) proposed new arrangements aimed at encouraging Offshore generation. These arrangements were incorporated into the BSC at 'Go Active' (24 June 2009) with no change made to the CoPs at</p>	

that time, and the regime fully commenced on 10 June 2014 as part of Other Regulatory Decisions 003 (ORD003) – Offshore Transmission Changes to the BSC. The changes to the BSC were made by the Secretary of State under powers contained within the Energy Act 2004.

Under the arrangements, developers of Offshore wind farms, that connect to the Transmission System (or a Distribution System) onshore at 132kV or above, need to transfer the Offshore transmission assets to an Offshore Transmission Owner (OFTO), via a competitive tender process. When the Offshore transmission assets are transferred to the OFTO, Ofgem will grant a Transmission Licence to the OFTO to operate those Offshore transmission assets as an Offshore Transmission System. As well as introducing the term Offshore and Offshore Transmission System (OTS), the changes made to the BSC also introduced the term Offshore Transmission Connection Point (OTCP) which is defined as a SCP at which the OTS is connected to a Distribution System. As a SCP the flows of electricity need to be measured and recorded by compliant Metering Equipment.

Prior to the implementation of Modification Proposal P294 (Addition of Offshore Transmission System and OTSUA to the definition of the Total System) on 30 December 2013, which introduced the term Offshore Transmission System User Assets (OTSUA) into the BSC, this meant that existing Offshore transmission assets become an Offshore Transmission System (OTS) when the OFTO is granted a Transmission Licence.

Since P294 was implemented any Offshore transmission assets that are to be built, and that are considered OTSUA, will automatically be considered part of the Transmission System and will become an OTS when the OFTO is granted a Transmission Licence.

This means that:

- prior to 30 December 2013, where the Offshore transmission assets connect to a Distribution System, an Offshore Transmission Connection Point (OTCP) is created when the Offshore transmission assets become an OTS; or
- since 30 December 2013, where any OTSUA connect to the Distribution System an OTCP is created from that point in time (and will remain after the OTSUA become an OTS).

An OTCP is a form of Grid Supply Point (GSP) yet the DMP described for a GSP is not appropriate for this type of connection as the description talks about super grid connected transformers which OTS or OTUSA do not have.

It is therefore not clear where the DMP for an OTCP is and it is not possible to seek a Metering Dispensation from a CoP requirement, e.g. where the AMP is not at the DMP, as no DMP currently exists.

The issue identified above only affects CVA registered Metering Systems as the proposed DMP relates to Metering Systems that must be registered as CVA Metering Systems in the Central Meter Registration Service (CMRS).

Proposed Solution (mandatory by originator)

A new DMP is required in Appendix A of each HH CoP to cover OTCPs so that it is clear going forward where the DMP is for such connections and so that a Metering Dispensation

from this CoP requirement could be sought where the AMP is not at the DMP.

This CP proposes that the DMP for an OTCP shall be described in Appendix A of CoPs 1, 2, 3, 5 and 10 as:

‘For transfers between an Offshore Transmission System operator (or Offshore Transmission System User Assets) and a Distribution System operated by a Licensed Distribution System Operator, the DMP shall be at the point(s) of connection to that Distribution System operated by a Licensed Distribution System Operator.’

Justification for Change (mandatory by originator)

Adding a DMP for an OTCP will make it clear where measurements of electricity should be made for any new OTCPs. It will also make it possible to seek a Metering Dispensation from this CoP requirement where the AMP is not at the DMP.

To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code? (mandatory by originator)

Section K and Section L.

The BSC requires measurement of flows of electricity at Systems Connection Points to be made by Metering Equipment which complies with the requirements of the relevant CoP. An OTCP is a Systems Connection Point but the DMP is not defined. Clarifying the DMP will help ensure a Party can comply with Section L and the relevant CoP or, where it cannot because measurement cannot be made at the DMP, seek a Metering Dispensation to make measurements at the AMP and compensate for electrical losses to the DMP (if required).

Estimated Implementation Costs (mandatory by BSCCo)

£240 (1 man day) for ELEXON to implement the required document changes.

Configurable Items Affected by Proposed Solution(s) (mandatory by originator)

CoP1 'Code of Practice for the Metering of Circuits with a Rated Capacity Exceeding 100MVA for Settlement Purposes'

CoP2 'Code of Practice for the Metering of Circuits with a Rated Capacity not Exceeding 100MVA for Settlement Purposes'

CoP3 'Code of Practice for the Metering of Circuits with a Rated Capacity not Exceeding 10MVA for Settlement Purposes'

CoP5 'Code of Practice for the Metering of Energy Transfers with a Maximum Demand of up to (and including) 1 MW for Settlement Purposes'; and

CoP10 'Code of Practice for the Metering of Energy via Low Voltage Circuits for Settlement Purposes'

Impact on Core Industry Documents or System Operator-Transmission Owner Code (mandatory by originator)

None.

Related Changes and/or Projects (mandatory by BSCCo)

None.

Requested Implementation Date (mandatory by originator)

26 February 2015 (February 2015 BSC Systems Release)

Reason: Providing clarity about exactly where the DMPs should be made as soon as possible to prevent uncertainty and minimise the need for Metering Dispensations where the AMP is not at the DMP. The February 2015 BSC Release is the next BSC Release under which this CP could be implemented.

Version History (mandatory by BSCCo)

ELEXON raised Version 1.0 of this CP on 25 September 2014

Originator's Details:**BCA Name...Mike Smith.....****Organisation...ELEXON Ltd.....****Email Address... mike.smith@elexon.co.uk.....****Telephone Number...0207 380 4033.....****Date...25 September 2014.....****Attachments: Y***Attachment A: CoP1 proposed redlining v0.1 (2 pages)**Attachment B: CoP2 proposed redlining v0.1 (2 pages)**Attachment C: CoP3 proposed redlining v0.1 (2 pages)**Attachment D: CoP5 proposed redlining v0.1 (2 pages)**Attachment E: CoP10 proposed redlining v0.1 (2 pages)*