Change Proposal – BSCP40/02	CP No: 1273 *Version No: 1.0* *(mandatory by BSCCo)*

Title *(mandatory by originator)*

Changes to the scope of CoP10 to cover current transformer operated Meters

Description of Problem/Issue *(mandatory by originator)*

A new Code of Practice (CoP), Code of Practice 10 'Code of Practice for Whole Current Metering of Energy via Low Voltage Circuits for Settlement Purposes', was approved by the Panel at its meeting in November 2008 (see Panel paper 149/05) for implementation in the February 2009 BSC Release. At that same meeting the Panel also delegated the authority for the approval of subsequent changes to CoP10 to the Supplier Volume Allocation Group (SVG).

CoP10 was developed to facilitate the introduction of Automatic Meter Reading (AMR) and will apply to Non Half Hourly (NHH) metering and elective Half Hourly (HH) metering (i.e. below the mandatory HH threshold for Imports, which is 100kW).

CoP10 will apply to whole current Meters[1] only. It was developed on the basis that Suppliers would be able to provide a CoP5 compliant Meter for current transformer (CT) operated sub-100kW sites opting to trade in the HH market.

Changes to Supplier Licences are due to become effective in April 2009. When implemented, Suppliers will be required to install advanced Meters for Profile Classes 5 to 8 customers. Since Profile Classes 5 to 8 customers will include sites which require CT operated Meters in the sub-100kW market, the only option available to Suppliers will be to use a more expensive CoP5 compliant CT operated Meter to provide the advanced functionality required by the new licence condition.

Proposed Solution ***(****mandatory by originator)*

The scope of CoP10 must be widened to include CT operated Meters. This would give Registrants of Metering Systems the ability to install a less expensive CoP10 CT operated Meter where they envisage a site's demand remaining below the mandatory HH threshold (100kW), but above the threshold for CT metering.

The Registrant could still choose to install a more expensive CoP5 (or above) Meter, for example if they believed there is a possibility that the site would exceed the 100kW threshold for mandatory HH metering.

CoP10 will be revised to include requirements for CT operated Meters. These changes will be based on the following sections from CoP5 (which are red-lined in Attachment A):

- 5.1.1 Current Transformers;
- 5.2 Fusing and Testing Facilities;
- 5.3 Meters;

[1] Imports below 72kW – 100Amps per phase with a 3 phase supply

- 5.4 Displays and Facilities for Registrant or Supplier Information, (a) (iii); and
- 5.6 Communications, (i) f) and (iii) b).

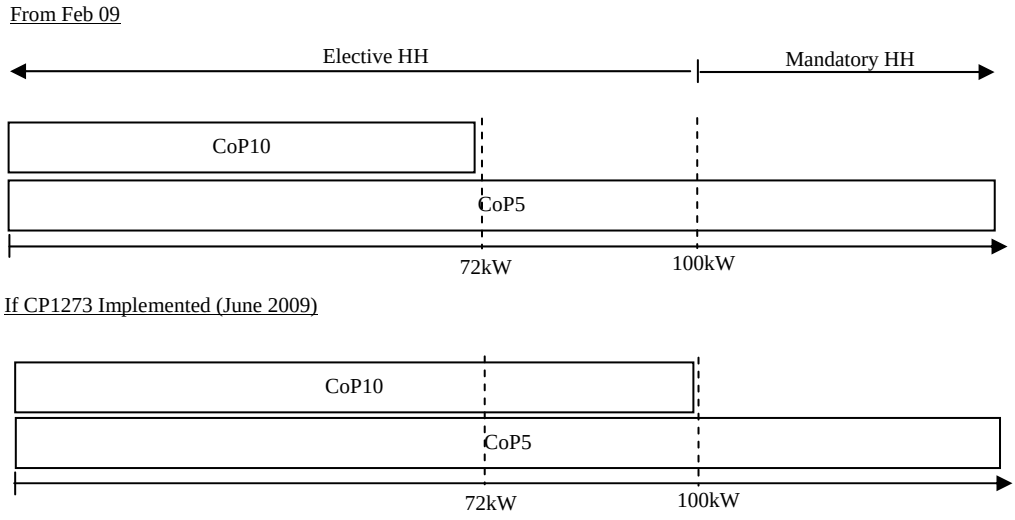
Additionally, existing relevant tests for CT operated Meters within BSCP601 'Metering Protocol Approval and Compliance Testing' will need to apply to CoP10 compliance testing. The draft changes to BSCP601 are included as Attachment B.

Justification for Change *(mandatory by originator)*

CoP10 will introduce requirements for whole current Meters which may be traded in the HH or NHH market. However, from February 2009, sites which are CT operated and below the mandatory HH threshold of 100kW must use more expensive CoP5 metering. A CT variant of a CoP10 approved whole current Meter cannot comply with CoP10, because it is excluded, or CoP5, because it may not meet the minimum requirements for CoP5 (e.g. pulse outputs). Therefore the only option is to use CoP5 approved Meters for the elective HH CT operated sites.

From the diagram below it is clear that by extending the scope of CoP10 to include CT operated CoP10 Meters Suppliers will have the choice of a less expensive CoP10 approved CT operated Meter or a more expensive CoP5 approved CT operated Meter (which could then remain on site should the site load subsequently increase above the 100kW threshold for the mandatory HH market).

CP1273 will provide for a more economic solution to allow Registrants to meet the new Supplier Licence condition for Profile Classes 5 to 8 registered Metering Systems.



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 L 'Metering'. Yes the CP does facilitate the current provisions of the Code as it facilitates a more economic solution to meet the requirement in L3.2.1 to install Metering Equipment that complies with the minimum requirements of the relevant Code of Practice by widening the scope of the relevant Code of Practice.

Estimated Implementation Costs *(mandatory by BSCCo)*

The estimated ELEXON implementation cost is 4 ELEXON man days which equates to £880.

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

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

BSCP601 'Metering Protocol Approval and Compliance Testing'

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

N/A

Related Changes and/or Projects *(mandatory by BSCCo)*

None

Requested Implementation Date ***(mandatory by originator)***

June 2009

Reason:

This is the next available BSC Release.

Version History ***(mandatory by BSCCo)***

CP1273 was issued for industry impact assessment on 9 January 2009.

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Date…06 January 2009……

Attachments: Y (If Yes, No. of Pages attached:…….)

CP1273-Attachment A – Redlined CoP10 Issue 1 v1.0 (N.B. CoP10 is due to be implemented in Feb 09) (19 pages)
CP1273-Attachment B – Redlined extract of BSCP601 v10.1 (5 pages)