

Change Proposal – BSCP40/02

CP No: 1232

*Version No: 1.0
(mandatory by BSCCo)*

Title *(mandatory by originator)*

Clarification of Technical Requirements for CoP2

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

The release of Code of Practice Two (CoP2), Issue 4 (version 3.0), on the 23rd of February 2006 has resulted in previously CoP2 compliant meters now not conforming to the Code Subsidiary Document.

Npower, as detailed in this Change Proposal, wish to amend CoP2 to improve and protect the integrity of Settlement data such that some Meters and/or Outstations previously compliant with CoP2 Issue 3 may become compliant once again.

The following paragraph within section 5.5 of CoP2 has resulted in some previously approved Meters and/or Outstations being no longer compliant;

‘Outstations shall be fitted with an auxiliary terminal that provides for the Outstation’s energisation for remote interrogation purposes. The supply to the auxiliary terminal shall be free of switches and secure, and may be provided from the measurement VT as long as it is separate from the potential measurement circuits at source’.

Most current CoP2 (Issue 3) approved Meters do not hold this technical requirement and are therefore not compliant with the live version making the availability of equipment for Settlement use very limited.

This technical requirement was specifically designed to ensure that Settlement data could not be lost or corrupted when an Outstation recorded data from two or more circuits. As if the circuit that provided the voltage was de-energised then the Outstation would also be de-energised even if other circuits were still energised.

However, in the scenario of a single circuit, if this circuit was de-energised then there would be no potential for Settlement data to be lost as the circuit and Outstation would be de-energised in unison.

Following the implementation of Change Proposal CP1051v3.0, ‘Review of Code of Practice One and Two’, in February 2006, Elexon reported that there were no Meters or Outstations available that were fully compliant with the new requirements. Subsequently, in March 2007 the Imbalance Settlement Group (ISG) granted a temporary generic Metering Dispensation, D/339, on the recommendation of the Metering Dispensation Review Group. This dispensation expired in February 2008.

A recent Central Volume Allocation (CVA) Meter Operator Forum raised concerns about the continued lack of availability of Meters that fully comply with CoP2. They were concerned that whilst companies cannot invest in non-compliant technology there is a lack of available technology with which to replace ageing Metering Equipment, posing a potential risk to the ongoing quality of Settlement data.

ELEXON were asked to request an extension to Metering Dispensation D/339, from February 2008 until February 2010 and submitted this request at ISG 082 on 27th November 2007. ISG 082 rejected the request to extend the expiry date of the temporary generic Metering Dispensation D/339.

As a result, the industry will find itself in a similar position to that which led to D/339 originally being granted.

Proposed Solution *(mandatory by originator)*

This CP proposes to amend CoP2 Issue 4 v3.0, Section 5.5 'Outstation', paragraph 8, to specify that Outstations that are not exclusive to one circuit shall be fitted with an auxiliary supply terminal to provide for energisation of the Outstation for remote interrogation purposes. The proposed redlining for this change is attached to this CP (see Attachment A);

It will also be necessary to amend the text relating to the check performed by the Compliance Testing Agent to confirm that Meters with integral Outstations have an auxiliary supply terminal. i.e. test reference number 049 in section 3.4.14 'Outstation {5.5}' of BSCP601 'Metering Protocol Approval and Compliance Testing'. It is recommended that as part of this change a housekeeping change is made at the same time to remove a duplicated row in this section (i.e. test reference number 50). The proposed redlining for these changes is also attached to this CP (see Attachment B).

Justification for Change *(mandatory by originator)*

Changes to CoP2 have resulted in existing Meters and/or Outstations that were previously compliant with CoP2, being non-compliant. Due to the lack of new products which have been developed that do comply with the requirements of CoP2, there are few products available for new installations.

This relatively minor change would amend the requirements to the point where some equipment, compliant before February 2008, may become compliant once again and would become available for new installations, whilst new products are being developed and approved.

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

The CP relates to Section L 3.2, Compliance with Codes of Practice.

The CP facilitates the current provisions of the Code by clarifying the technical requirements with which Metering Equipment must comply.

Estimated Implementation Costs *(mandatory by BSCCo)*

The estimated ELEXON implementation cost is 1 ELEXON man day, which equates to £220.

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

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

BSCP601 'Metering Protocol Approval and Compliance Testing'

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

No Impact

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

None Identified

Requested Implementation Date *(mandatory by originator)*

November 2008

Reason:

There are a very limited number of Meters/Outstations available for Settlement use that will comply with CoP2, when Generic Metering Dispensation D/339 runs out in February 2008. The November 2008 Release is the next available Release.

Version History *(mandatory by BSCCo)*

N/A

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Attachments: Y

CP1232 Attachment A - Redlined extract for CoP2 Issue 4 v3.0 (2 Pages)

CP1232 Attachment B - Redlined extract for BSCP601 v9.0 (1 Page)