4.3 CP Form

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

Title (mandatory by originator)

Future proofing changes to the measurement transformer standards in CoPs 1, 2, 3, 4, 5 and 10

Description of Problem/Issue (mandatory by originator)

The metering Codes of Practice (CoPs) rely on British Standards Institution (BSI) / International Electrotechnical Commission (IEC) standards for measurement transformers (i.e. current transformers and voltage transformers). Relevant to this Change Proposal (CP) are the following CoPs:

- CoP1 'The metering of circuits with a rated capacity exceeding 100MVA for Settlement purposes',
- CoP2 'The metering of circuits with a rated capacity not exceeding 100 MVA for Settlement purposes',
- CoP3 'The metering of circuits with a rated capacity not exceeding 10 MVA for Settlement Purposes',
- CoP4 'The calibration, testing and commissioning requirements of metering equipment for Settlement purposes',
- CoP5 'The metering of energy transfers with max demand of up to (and including) 1MW for Settlement purposes' and
- CoP10 'The metering of energy via low voltage circuits for Settlement purposes'

These standards are reviewed every five years (outside the BSC) and as a result may:

- Be extended without new amendments;
- Amended by an Industry expert group or;
- Withdrawn.

When the standards bodies amend the measurement transformer standards, their reference number may change (e.g. the standard number for the requirements for current transformers changed from 60044-1 to 61869-2 in 2012). This creates two issues for Meter Operator Agents (MOAs), Licenced Distribution System Operators (LDSOs) and other procurers of Settlement measurement transformers. The issues are:

i. They may have stocks of measurement transformers produced under the old standard. This means the measurement transformers cannot be used* once the CoPs are updated with the new standard; or

ii. They may have procured measurement transformers to the new standard, when the CoPs still refer to the previous standard. This means the measurement transformers cannot be used* until the new standard is updated in the CoPs through a Change Proposal (CP) process in a standard BSC Release.

*Unless subject to a Metering Dispensation under BSCP32 'Metering Dispensations'.

Once a Balancing and Settlement Code (BSC) Party (or Elexon on behalf of the BSC Panel) raises a Metering Dispensation, it can take between one and three months to get an approval from the BSC Panel Committee(s). Furthermore, time is spent as the BSC Party (or Elexon) would need to raise a CP to update the metering CoPs, which can up to six months.

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Proposed Solution (mandatory by originator)

This CP seeks to update Section 5.1 'Measurement Transformers' of the relevant CoPs to allow measurement transformer stocks, which refer to the old standard number, to be installed after the relevant CoPs are updated with the new standard

It will also allow newly procured measurement transformers, to the new standard, to be installed, before the relevant CoPs are updated.

This is subject to the accuracy classes and the error limits remaining the same in both old and new standards.

Justification for Change (mandatory by originator)

When the BSI/IEC change the measurement transformer standards and the CoPs have been updated with the new standards, the CoPs will accommodate the use of existing purchased stock that still refer to the old standard. It will also accommodate the use of measurement transformers purchased to the new standard, while the CoPs are being updated to reflect the new standards.

As a result, it prevents stranding of measurement transformer stocks as existing ones can be exhausted even though the CoPs have been updated and newly purchased stocks used even when the CoPs haven't yet been updated.

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

BSC Section L 'Metering'

Estimated Implementation Costs (mandatory by BSCCo)

Less than £3k effort to update all impacted metering Codes of Practice documents.

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

Codes of Practice 1, 2, 3, 4, 5 and 10.

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

Document only change with redlining to all impacted metering Codes of Practice.

Related Changes and/or BSC Releases (mandatory by BSCCo)

Issue 93 'Review of the BSC metering Codes of Practice'

Requested Implementation Date (mandatory by originator)

30 June 2022 (June 2022 BSC Standard Release)

Reason:

We have targeted June 2022 BSC standard Release because it enables us to batch up this change alongside the other CPs that are raised as a result of the Issue 93 Work Group recommendations.

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Version History (mandatory by BSCCo)
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Date:
Attachments: **Y -** Draft redline changes to CoPs 1, 2, 3, 4, 5 and 10

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