4.3 CP Form

Change Proposal – BSCP40/02	CP No: CP1485 *Version No:* *(mandatory by BSCCo)*

Title (mandatory by originator)

Validation of power transformer and cable/line loss adjustments

Description of Problem/Issue (mandatory by originator)

On 6 February 2014 ELEXON raised Issue 54 'Discrepancies between the points of measurement required in the BSC and the CoPs and the physical points of connection'. This Issue was raised as a result of a paper (ISG151/01) presented to the Imbalance Settlement Group (ISG) in November 2013. ELEXON presented the Issue 54 Report (BSC Panel 225/13) to the BSC Panel on 12 June 2014.

The Issue 54 Group agreed with ELEXON's proposed solution to validate power transformer and cable/line electrical loss adjustments as part of the (site specific) Metering Dispensation application process. They also agreed that, where the Registrant wishes to apply cable or line electrical loss adjustments as part of the proposed generic Metering Dispensation under CP1479 'Updates to the Defined Metering Points in Codes of Practice 1, 2, 3, 5 and 10', these should also be validated under BSCP32 'Metering Dispensations'.

The Issue 54 Group did not agree with ELEXON's suggestion that the Metering Dispensation Review Group (MDRG) could validate any electrical loss adjustments. This was because the MDRG is a voluntary group of industry metering experts and contributes their time and expertise to review Metering Dispensation applications free of charge. Some MDRG members also act as Meter Operator Agents (MOAs) and calculate electrical loss adjustments for Registrants on a chargeable basis. The Issue 54 Group recommended that the Technical Assurance Agent (TAA) validate any electrical loss adjustments.

ELEXON recommends that the term TAA is not used in BSCP32 for the party which performs the electrical loss adjustment validation. Instead, ELEXON recommends using the term Electrical Loss Validation Agent (ELVA). Using this term will future proof BSCP32 in case the party which performs the electrical loss adjustment validation changes.

The Issue 54 Group also suggested that the process should allow for certain parties to provide input into the electrical loss calculation process where the electrical losses occur in equipment (i.e. power transformers and/or cables/lines) that does not belong to the Registrant. For example, Transmission network owners, LDSOs or Customers.

This CP seeks to address the validation of power transformer and cable or line electrical loss adjustments as part of the Metering Dispensation application process.

Proposed Solution (mandatory by originator)

This CP proposes changes to the BSCP32, CoP 1, 2, 3, and 5 to address the validation of power transformer and cable or line electrical loss adjustments as part of the Metering Dispensation application process.

There is no requirement to apply this change retrospectively to exiting circuits. Any changes arising from this CP will apply to Metering Systems installed after the CP Implementation Date.

Justification for Change (mandatory by originator)

The validation process proposed by this CP provides additional assurance that Settlement is being protected and any electrical losses are attributed to the relevant Party.

By keeping a record of these agreed electrical loss adjustments, Registrants/MOAs will have an additional method of retrieving records of the agreed and validated electrical loss adjustments factors if they no longer possess the records.

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'.

Estimated Implementation Costs (mandatory by BSCCo)

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

The TAA confirmed they can validate power transformer and cable or line electrical loss adjustments at costs of £900 per application processed.

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

BSCP32 'Metering Dispensations';

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'; and

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

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

None identified.

Related Changes and/or Projects (mandatory by BSCCo)

CP1479 'Updates to the Defined Metering Points in Codes of Practice 1, 2, 3, 5 and 10'.
Requested Implementation Date (mandatory by originator) November 2017 BSC Systems Release
Reason: The next BSC Systems Release under which this CP could be implemented is the November 2017 BSC Systems Release.
Version History (mandatory by BSCCo) V1.0
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