Redlined Code of Practice Ten text for CP1508 'Updating the references to the British and International Standards within the relevant Codes of Practice and Balancing and Settlement Procedure'

This Change Proposal (CP) proposes changes to Sections 2, 5.1 and 5.5. We have redlined these changes against Version 10.0.

There is no impact on any other part of this document for this CP.

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Amend Section 2 as follows:

2. REFERENCES[1]

The following documents are referred to in the text:-

Balancing and Settlement Code	Section X; Annex X-1 and Section L and BSC Procedures
Code of Practice Four	Code of Practice for Calibration, Testing and Commissioning Requirements for Metering Equipment for Settlement Purposes
Electricity Act 1989	Schedule 7, as amended
BS EN/IEC 62053-23	Electricity metering equipment (a.c.). Particular requirements. Static meters for reactive energy (classes 2 and 3)
BS EN/IEC 62056-21	Data Exchange for Meter Reading, Tariff and Load Control. Direct Local Exchange.
Meter Operation Code of Practice Agreement	Agreement between Meter Operators and Distribution Businesses governing arrangements for safety and technical competence (www.mocopa.org.uk)
BS EN/IEC ~~Standard 185~~61869-2	~~Current Transformers~~Instrument transformers – Part 2: Additional requirements for current transformers
Smart Metering Equipment Technical Specifications	As defined in Section X Annex X-1 of the BSC
Statutory Instruments 2006 No. ~~1679~~1153	The Measuring Instruments (Active Electrical Energy Meters) Regulations 2006
Standard Frequency and Time Signal Emission	International Telecommunication Union - RTF.460 (ISBN92-61-05311-4)

Amend Section 5.1 as follows:

5.1 Current Transformers

Where required, one set of current transformers (CT) to BS EN/IEC Standard ~~185~~61869-2 with a minimum standard of accuracy to class 0.5, shall be provided per circuit. Preferably, the CTs shall be dedicated for Settlement purposes, but the CTs may be used for other purposes provided the overall accuracy requirements in clause 4.2.1 are met and evidence of the value of the additional burden is available for inspection by the Panel or the Technical Assurance Agent.

[1] Metering Equipment should be tested and stamped to the latest iteration of the applicable standard named in this document at the time of initial registration.

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The additional burden shall not be modified without prior notification to the Panel, and evidence of the value of the modified additional burden shall be available for inspection by either the Panel or the Technical Assurance Agent.

CT test certificates showing errors at the overall working burden or at burdens which enable the working burden errors to be calculated shall be available for inspection by either the Panel or the Technical Assurance Agent. Where CT test certificates are not available and the CTs can be verified as class 0.5 or better and are installed on a Low Voltage installation, the extreme errors for the accuracy class shall be assumed.

The total burden on each CT shall not exceed the rated burden of such CT.

Amend Section 5.5 as follows:

5.3 Meters

For each circuit, Active Energy Meters shall be supplied which shall meet the requirements of Schedule 7 of the Electricity Act 1989.

All Meters supplied via CTs shall be set to the actual primary and secondary ratings of the CTs. The CT ratio shall be displayed and downloaded during the interrogation process.

All Meters shall be labelled or otherwise be readily identifiable with respect to their associated circuit(s), and as defined in BS EN/IEC 62053-23.

Amend Section 5.5 as follows:

5.5 Outstation

Any device that is not covered by ~~SI1679~~SI1153 shall not be involved in deriving the kWh value for Settlement purposes. To clarify, an integral Outstation may be used but a remote Outstation that derives a kWh value (e.g. via pulsed outputs) shall not be used. An integral Outstation that transfers the kWh value of the primary register in accordance with the manufacturers protocol may be used.

An Outstation System shall be provided which transfers data to and receives data from a Settlement Instation.

The Outstation data shall be to a format and protocol approved by the Panel in accordance with BSCP601 'Metering Protocol Approval and Compliance Testing'.

The Outstation shall facilitate the metering data to be read by instations other than the Settlement Instation provided the requirements of clause 6 of this Code of Practice are satisfied.

For the purpose of transferring stored metering data from the Outstation to the Settlement Instation, a unique Outstation identification code shall be provided.

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Repeat collections of metering data shall be possible throughout the Outstation data storage period.

Where metering data is transferred to the Settlement instation automatically, the Outstation shall be capable of providing this data on a daily basis as a minimum. Where the Meter is being used on a Half Hourly site, time synchronisation of the Outstation shall be performed by the Half Hourly Data Collector communicating directly with the Outstation in accordance with BSCP502 'Half Hourly Data Collection for SVA Metering Systems Registered in SMRS'.

If not integral with the Meter, a separately fused supply shall be provided for each Outstation.

Where a separate modem (or equivalent) associated with the Outstation System is used, then it shall be provided with a separately fused supply. Alternatively, line or battery powered modem types may be used.

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