

CP1349 Redlined against CoP5 Issue 5 v10.0

The Foreword is not impacted by CP1349.

Section 1 is not impacted by CP1349.

2 REFERENCES

The following documents are referred to in the text:-

<u>BS EN 50470 – 3</u>	<u>Electricity metering equipment (a.c.) - Part 3: Particular requirements – Static meters for active energy (class indexes A, B and C)</u>
BS EN 61036	AC Static Watthour Meters for Active Energy (Classes 1 and 2)
BS EN 60521	Class 0.5, 1 and 2 Alternating Current Watt-Hour Meters.
BS 7856	Code of Practice for Design of Alternating Current Watt-Hour Meters for Active Energy (Classes 1 & 2)
BS EN 61268	Alternating Current Static Var-Hour Meters for Reactive Energy (Classes 2 and 3).
BS 5685 Part 4	Specification for Class 3 Var-Hour Meters
IEC Standard 44-3	Instrument Transformers - Combined Transformers
IEC Standard 185	Current Transformers
IEC Standard 186	Voltage Transformers
BS EN 61107	Data Exchange for Meter Reading, Tariff and Load Control. Direct Local Exchange.
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
BSC Procedures	See BSC Procedures Index
Electricity Act 1989	Schedule 7, as amended by Schedule 1, to the Competition and Services (Utilities) Act 1992.
Meter Operation Code of Practice Agreement	Agreement between Meter Operators and Distribution Businesses governing arrangements for safety and technical competence
Standard Frequency and Time Signal Emission	International Telecommunication Union - RTF.460 (ISBN92-61-05311-4)

Section 3 is not impacted by CP1349.

Section 4 is not impacted by CP1349.

Sections 5.1 and 5.2 are not impacted by CP1349.

5.3 Meters

The Meters may be either static or induction disc types.

For each circuit, Active Energy Meters shall be supplied which shall meet the requirements of either BS EN 61036 Class 2 or BS EN 50470-3 Class A or BS EN 60521 and BS 7856 Class 2.

Active Energy Meters provided for the metering of supplies to customers shall be in accordance with Schedule 7 of the Electricity Act 1989.

For each circuit, Reactive Energy Meter(s) shall be supplied which shall meet the requirements of either BS EN 61268 Class 3 or BS 5685 Part 4.

Active Energy Meters shall be configured such that the number of measuring elements is equal to or one less than the number of primary system conductors. These include the neutral conductor, and/or the earth conductor where system configurations enable the flow of zero sequence energy.

All Meters supplied via measurement transformers shall be set to the actual primary and secondary ratings of the measurement transformers and the ratios displayed as follows:-

- (i) For Meters separate from the display and/or Outstation the ratios shall be recorded on the nameplate of the Meter.
- (ii) For static Meters combined with the display and/or the Outstation, the ratios shall be displayed and downloaded during the interrogation process. In addition, the compensation factor that has been applied for measurement transformer errors and/or system losses, where this is a constant factor applied at security level 3 shall be similarly displayed and downloaded.

All Meters shall include a non-volatile Meter Register of cumulative energy for each measured quantity (see 4.1.1). The Meter Register(s) shall not roll-over more than once within the normal Meter reading cycle.

Meters which provide data to separate Outstations shall for this purpose provide an output per measured quantity (see 4.1.1).

For Meters using electronic displays due account shall be taken of the obligations to obtain Meter Readings, even when the circuit is de-energised.

All Meters shall be labelled or otherwise be readily identifiable with respect to their associated circuit(s), and in accordance with Appendix B.

Sections 5.4 to 5.7 are not impacted by CP1349.

Section 6 is not impacted by CP1349.

Section 7 is not impacted by CP1349.

Appendices A to E are not impacted by CP1349.