

Change Proposal – BSCP40/02	CP No: 1251 Version No: 1.0 (mandatory by BSCCo)
Title Inferior / Inappropriate Peripheral Devices shall not be used to Collect Automatic Meter Readings	
Description of Problem/Issue (mandatory by originator) This CP has been raised on behalf of the Smart Metering Expert Group. Smart meters that are capable of Automatic Meter Readings (AMR) are being introduced in the Non-Half Hourly (NHH) market. The roll out of this type of metering is set to increase over the next few years. With smart / AMR reads there is a risk that inferior or inappropriate peripheral devices (hardware and software) may be used to obtain readings for Settlement purposes. At this stage, there are limited controls over the use of such devices. This issue was identified during the BSC Smart Metering Review. The BSC requirements and the proposed solution were considered and agreed by the Smart Metering Expert Group.	
Proposed Solution (mandatory by originator) Include a requirement in CoP8 (Code of Practice for the Metering of Import active energy via low voltage circuits for Non-Half Hourly settlement purposes) and CoP9 (Code of Practice for the Metering of Import and Export active energy via low voltage circuits for Non-Half Hourly settlement purposes) that readings for use in Settlement must be the kWh values obtained from the primary register(s) of a meter that is compliant with S.I.1679 or are Ofgem approved. A kWh value derived by a peripheral device (for example from a pulsed output from a compliant meter) is not acceptable for Settlement purposes, as this method is not thought to be reliable enough for Settlement purposes. For the avoidance of doubt, any peripheral device used to carry a kWh value from the primary register(s) of the meter en route to the Data Collector should be classified as communications equipment and subject to the relevant controls. Recommendations highlighted within CP1261 ‘Introducing Metering Code of Practice 10 to facilitate smart metering in the Half Hourly (HH) market’, would introduce a similar set of requirements within the proposed CoP10 (Code of Practice for whole current Metering of energy via low voltage circuits for settlement purposes). It should be noted that the BSC Smart Metering Review also considered an alternative solution that would have allowed a peripheral device to derive a kWh value from an approved meter if that value was subject, at some later point in time, to a Meter Advance Reconciliation (MAR). This option was ruled out as it would have required a site visit and therefore would either have detracted from the benefits of AMR or would not have been undertaken in practice.	

Justification for Change *(mandatory by originator)*

There is a risk that readings from inferior / inappropriate peripheral devices could lead to erroneous data entering Settlement. The proposed change would mitigate that risk.

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 S – Supplier Volume Allocation, yes

Estimated Implementation Costs *(mandatory by BSCCo)*

The estimated ELEXON implementation cost is 1.75 man days, which equates to £385.

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

Code of Practice 8 ‘Code of Practice for the Metering of Import Active Energy via Low Voltage Circuits for Non-Half Hourly Settlement Purposes’

Code of Practice 9 ‘Code of Practice for the Metering of Import and Export Active Energy via Low Voltage Circuits for Non-Half Hourly Settlement Purposes’

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

None

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

This is one of a series of Change Proposals raised on behalf of the BSC Smart Metering Expert Group. The other changes are CP1252, CP1253 and CP1254. CP1261 will introduce a similar requirement in the proposed CoP10.

Requested Implementation Date *(mandatory by originator)*

February 2009

Reason:

The Department for Business, Enterprise and Regulatory Reform (BERR) response to the Energy Billing and Metering consultation details an amendment to the Energy Bill which will require AMR metering for larger business customers to be rolled out over the next five years. If the requirements are not in place as early as possible, there is a risk of legacy issues and/or greater costs to industry.

Version History *(mandatory by BSCCo)*

None

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Attachments: Yes

CP1251 Attachment A – Redline changes proposed to CoP8 ‘Code of Practice for the Metering of Import Active Energy via Low Voltage Circuits for Non-Half Hourly Settlement Purposes’ (3 Pages)

CP1251 Attachment B – Redline changes proposed to CoP9 ‘Code of Practice for the Metering of Import and Export Active Energy via Low Voltage Circuits for Non-Half Hourly Settlement Purposes’ (3 Pages)