

Change Proposal – BSCP40/02

CP No: CP1417

*Version No: v0.1
(mandatory by BSCCo)*

Title *(mandatory by originator)*

Reading validation for smart Meters

Description of Problem/Issue *(mandatory by originator)*

Currently, Appendix 4. 1 of Balancing and Settlement Code Procedure (BSCP) 504 ‘Non-Half Hourly Data Collection for SVA Metering Systems Registered in SMRS’) sets out a number of checks which are carried out by the Non Half Hourly Data Collector (NHHDC) when visiting a metered site.

[CP1253 ‘Remote Reading Assurance’](#) identified a sub-set of the site visit checks that could also be performed remotely for advanced Meters. CP1253 was implemented on 26 February 2009 as part of the February 2009 Release. A joint BSC-Master Registration Agreement (MRA) working group, looking at consequential changes arising from the mass roll-out of smart metering, reviewed the list of remote checks. The group concluded that that the detailed list of checks to be carried out remotely (the second list in BSCP504 4.1) should only apply to advanced Meters.

However, in relation to smart Meters, as some of the validation checks made by NHHDCs can be made by Suppliers, the group considered that pre-validation checks by Suppliers should be allowable.

Meters complying with the Smart Metering Equipment Technical Specifications (SMETS) will have a function to remotely disable a customer’s supply. This functionality is also available in a sub-set of advanced Meters. Remote disablement does not prevent Meters being read, so may lead to zero Meter advances. The NHHDC validation requirements in BSCP504 do not recognise remote disablement as a valid cause of zero Meter Advances. This will lead to valid readings being rejected.

NHHDCs are required to inform the Meter Operator Agent (MOA) of any error flags received from the Meter. The NHHDC will not be aware of error flags received from smart Meters serviced by the Data and Communication Company (DCC), so an equivalent requirement is needed for Suppliers.

Proposed Solution *(mandatory by originator)*

Amend BSCP504 4.1 to place a high-level requirement on Suppliers to check for faults and prevent clock-drift when remotely contacting Meters.

Amend BSCP504 4.2 to:

- Allow the Supplier to carry out pre-validation checks;
- Add remote disablement to the list of valid conditions giving rise to zero Meter Advances; and
- Add an equivalent obligation for Suppliers to act upon error flags from remotely read Meters.

A mechanism will be required for the Supplier to notify the NHHDC of readings from remotely disabled sites, so that zero advances do not fail validation. It is proposed that this could be achieved by a separate Data Transfer Catalogue (DTC) change for example by introducing a new code in the valid set for J0024 'Site Visit Check Code' data item or by introducing a new data item.

Justification for Change *(mandatory by originator)*

The changes have been reviewed by a joint BSC-MRA working group looking at consequential changes arising from the mass roll-out of smart metering.

The changes will prevent valid zero Meter Advances for remotely disabled Meters being incorrectly rejected by the NHHDC.

It is expected that Suppliers will be sufficiently incentivised to respond to fault alerts from smart Meters for there not to be a need for detailed requirements for smart Meters, but this will need to be reviewed once the smart roll-out gathers momentum. A high-level equivalent to the remote checks performed by NHHDCs on advanced Meters should suffice in the interim. Additionally, any requirements relating to maximum demand checks will not apply to the smart Meters being read by Suppliers via the DCC.

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 J 'Party Agents'
Section S 'Supplier Volume Allocation'

Estimated Implementation Costs *(mandatory by BSCCo)*

One ELEXON man day of effort to implement the redlined changes. One ELEXON man day equates to £240.

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

BSCP504 'Non-Half Hourly Data Collection for SVA Metering Systems Registered in SMRS'

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

None identified.

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

Directly related change

- [CP1416 'Remotely Disabled smart Meters'](#)

Other smart metering changes:

- [CP1395 'Distribution of Configuration Details for smart Meters'](#)
- [CP1415 'Reading submission frequency for smart Meters'](#)

Requested Implementation Date (*mandatory by originator*)

26 February 2015 as part of the February 2015 BSC Release.

Reason: The change will be implemented at the same time as other smart Metering consequential changes, such as CP1395 and be ready in good time for initial live operation of the DCC, which is planned for December 2015.

Version History (*mandatory by BSCCo*)

v1.0 of CP1417 was issued on 7 July 2014.

Originator's Details:

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Date..... **10 June 2014**.....

Attachments: Y/~~N~~

CP1417_BSCP504 redlining v0.1 (5 pages)