

Change Proposal – BSCP40/02

CP No: 1243

*Version No: 1.0
(mandatory by BSCCo)*

Title *(mandatory by originator)* Mandating HHDC checks on quality of Meter Technical Details

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

Half Hourly Metering Systems with a maximum demand greater than 1MW fall under Codes of Practice (CoP) 1, 2 and 3. To ensure the accuracy of consumption data entering Settlement, these Metering Systems are required to have main and check Meters to measure active energy.

An issue was raised by a Half Hourly Data Collector (HHDC) concerning incorrect population of Half Hourly Meter Technical Details (D0268), with the result that check Meters were being incorrectly identified as main Meters. Identification of both main and check Meters as main Meters could potentially result in an overstatement of the energy entering Settlement.

This issue was highlighted to the SVG ([SVG61](#)). The SVG requested that ELEXON contact all HHDCs and Half Hourly Meter Operator Agents (HHMOAs) to determine whether they had processes and checks in place around population of the D0268. All HHMOAs responded that they have processes in place around population of the D0268.

As part of the work carried out by ELEXON, it was confirmed that main and check Meter set up errors would not be picked up in the BSC Audit. Although such errors would be picked up by Technical Assurance of Metering checks, these checks cover only 1.5% of the SVA Metering population. Proving tests carried out on a Metering System would not necessarily pick up an error, because the proving tests confirm whether the consumption is correctly passed to the DC, but not whether the Meter Technical Details are correct.

ELEXON carried out analysis to ascertain the materiality and scale of the issue. HHDCs were asked to run a check against their systems between 13 October 2006 and 8 December 2006 to identify the number of CoP2 and CoP3 sites which had two main Meters erroneously registered against them. This analysis identified 39 separate instances of incorrect check Meter set up. The average daily error due to incorrect set up of check Meters was found to be 585MWh, which is around 0.17% of the total average daily HH consumption.

Following the presentation of the check results, the SVG ([SVG73](#)) asked ELEXON to progress a change to the existing arrangements to mandate that HHDCs carry out a check against their systems on a regular basis to identify instances of both:

- main and check Meter set up error and;
- Meter registration against an incorrect CoP.

It was therefore proposed that a new section should be added to the appendices of BSCP502 ‘Half Hourly Data Collection for SVA Metering Systems Registered in SMRS’, as described below, to obligate HHDCs to check their systems. The original proposal was an assessment capturing:

- MSID;
- Code of Practice;
- Supplier(s) affected; (i.e. because the check period may span multiple Supplier contracts)
- HHMOA;
- Date of latest Proving Test;
- Materiality of error;

- Check period start date; and
- Days in check period.

However, these requirements were discussed with the Supplier Agents' Forum (SAF), which clarified that the 'Date of latest Proving Test' and 'Materiality of error' requirements were unnecessarily onerous and were included only because they had been required for the ELEXON/HHDC analysis to determine the materiality of the issue. Additionally, the required information on the assessment period ('Check period start date' and 'Days in check period') were considered too specific, because all that is required is that HHDCs are able to identify when each system check was conducted and the period it covered; this did not need to be an output of each assessment. The proposed solution was therefore amended to that described below. The SAF also suggested that the CP1243 provisions should link to the 'HHDC investigates inconsistencies' process.

Proposed Solution *(mandatory by originator)*

A new section should be added to the appendices of BSCP502. This new section will mandate that HHDCs conduct an assessment of their systems each month to identify any CoP1, CoP2 and CoP3 Metering Systems where the number of main Meters and check Meters associated with the MS are not the same.

In addition to the introduction of the obligation above to resolve the issue of check Meters incorrectly identified as main Meters, it is proposed that HHDCs would also be required to identify CoP5 MSIDs which have check Meters registered to them. It is not mandatory for CoP5 MSs to have check Meters, so the HHDC system check can also be used to identify unnecessary check Meters against CoP5 MSs.

After conducting a system check, HHDCs should follow up identified inconsistencies as necessary with the HHMOA, in order to understand whether each of the instances identified is for a legitimate reason or is because incorrect Meter Technical Details are being held against it. The system check should capture the following information:

- MSID;
- Code of Practice;
- Supplier(s) affected; (i.e. because the period of the system check may span multiple Supplier contracts)
- HHMOA; and
- Check period details.

Where an instance is identified the HHDC should request a corrected D0268 from the HHMOA and inform the Supplier. Though it is anticipated that instances of incorrect main/check Meter registration will relate to CoPs 2 and 3, it is proposed that CoP1 MSIDs are included in the provision to cover any situations not envisaged and thereby 'future proof' this system check requirement.

Several HHDCs currently conduct voluntary system checks to identify main Meter and check Meter set up errors. It is therefore the intent of this CP that the proposed requirement would be as flexible as possible, to minimise disruption to existing processes.

The proposed redlined changes to BSCP502 are appended to this CP as Attachment A.

Justification for Change *(mandatory by originator)*

The current arrangements contain no mandated method of identifying errors in check and main Meter set up. Such error is not identified via the audit process or through proving tests. Technical Assurance

of Metering checks detect instances of such error, but these are performed for only 1.5% of the SVA meter population.

The analysis described above demonstrated that there is a potential for such errors to cause material Settlement error (585MWh per day). Though they originate with the Meter Operator, the HHDC is the only point of the Supplier hub able to identify these errors.

Several HHDCs conduct monthly system checks to identify main Meter and check Meter set up errors, and all HHDCs have run such system checks (as part of ELEXON analysis to determine the scale of this issue). It has therefore been demonstrated that such HHDC system checks are feasible.

To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code? *(mandatory by originator)*

CP1243 relates to Sections J and S of the Code, and does facilitate the current provisions of the Code.

Estimated Implementation Costs *(mandatory by BSCCo)*

The estimated ELEXON Implementation cost for CP1235 is £110 (0.5 ELEXON man days effort).

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

BSCP502 '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)* No impact identified.

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

This change was put on hold to allow for the progression and implementation of CP1214 which transferred functional requirements from the HHDC PSL (PSL130) not found in BSCP502 into that BSCP, in preparation for the ultimate removal of PSL130 and the other functional PSLs. Removal of the PSLs will take place in November 2008, so no change to PSL130 is necessary for implementation of CP1243.

Requested Implementation Date *(mandatory by originator)*

November 2008 Release.

Reason:

Proposal of this change has already been delayed (in part due to the CP1214, as above). CP1243 should be implemented in the next available Release, which is November 2008, to improve the quality of Meter Technical Detail information held.

Version History *(mandatory by BSCCo)*

Version 1.0 for industry impact assessment.

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Attachments: Y

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