

**Redlined BSCP514 for CP1440 'Exempting Metering Systems in Measurement Class F from proving tests'.**

This CP proposes changes to BSCP514 sections 2.3.2, 5.5 and 8.3.1.

We have redlined these changes against Version 28.0.

## 2.3.2 Installation, Removal and Re-programming of Meters

- a) The MOA shall maintain records and comply with systems and processes so approved in accordance with BSCP537 to commission, recommission, remove, replace or reprogram Meters and shall inform its Associated Supplier, its Associated Data Collector and the LDSO of the nature and date of any related work carried out within such time as shall allow its Associated Data Collector to carry out its obligations to ensure that correct data is taken into Initial Volume Allocation Runs.
- b) Other than Metering Systems assigned to Measurement Class F, ~~the~~ the MOA shall carry out a proving test / re-test for each Half Hourly SVA Metering System, that it is responsible for, in accordance with and in the circumstances described in Section 8.3.
- c) Where required by its Associated Supplier, the MOA shall set Non Half Hourly SVA Metering Systems which incorporate a clock or teleswitch with a timing mechanism to switch at a time consistent with a valid combination of Standard Settlement Configuration and Time Pattern Regime derived from Market Domain Data with an Average Fraction of Yearly Consumption valid for the GSP Group to which the SVA Metering System belongs.
- d) Where multi-register Non Half Hourly Meters are installed and where required by its Associated Supplier, the MOA shall programme those for which it is responsible so that the physical registers may be mapped using the Meter Technical Details supplied to its Associated Data Collector onto logical registers forming a valid Standard Settlement Configuration.
- e) When installing a NHH multi-register Meter, or when attending the site to carry out significant<sup>1</sup> work on such a Meter that would require re-registration of the Metering System, the MOA shall ensure that the registers of the metering asset are clearly identified<sup>2</sup> and that the Meter Register IDs (J0010) to be used in all relevant data flows clearly identify the registers on the metering asset to be read. (e.g. “L”, “N”, “R1”, “R2”, etc.). For smart Meters, the Supplier is responsible for ensuring that the Meter Register Ids and/or Meter Register Descriptions in the D0367 ‘Smart Meter Configuration Details’; and the MOA is responsible for ensuring that the Meter Technical Details, are reflective of the display on the Meter.
- f) When installing or reconfiguring Half Hourly Metering Equipment that is operated by measurement transformers, the MOA shall configure the Metering Equipment to record Half Hourly demand values for both Reactive Import and Reactive Export (except where the Metering Equipment does not have this capability, and is not required to do so by the relevant Code of

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<sup>1</sup> Significant work – means any work carried out on the Metering System by a competent person, that would require re-registration of the Metering System

<sup>2</sup> Where the identifier cannot be uniquely identified by a 2-character Meter Register ID (e.g. “CUM 3” ), a label shall be applied to, or immediately adjacent to, the Meter that shows the display sequence with the equivalent Meter Register ID for each register (e.g. “CUM 2 – Reg ID = 02” etc.). For two-rate Key Meters only, the only permitted Meter Register IDs are “1”, “1 “, “01” or “R1” and “2”, “2 “, “02” or “R2”. (When installing or attending the site to carry out significant work requiring re-registration).

Practice). Reactive Import and Reactive Export measurements shall be configured in accordance with the applicable Code of Practice.

- g) The MOA shall seal and reseal Metering Equipment in accordance with Section 8.1 or 9.1.
- h) The MOA shall request Site Technical Details from the Licensed Distribution System Operator in accordance with this BSCP.

## 5.5 Proving a Metering System<sup>3, 4</sup>

### 5.5.1 Proving of a Metering System by Method 1<sup>5, 4</sup>

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
5.5.1.1	When instructed by Supplier	Install or reconfigure commission to CoP4, record MTD and note HH Metered Data to cover a specific Settlement Period while on site.	HHMOA		See 5.2.2 or 5.3.4 as required.	Internal Process.
5.5.1.2	Following installation / reconfiguration, commissioning and once HH Metered Data retrieved or if previous proving test attempt failed	Send request for proving test (indicating which Settlement Periods to be collected) or alternatively request re-test following failure of immediately preceding proving test and provide MTD.	HHMOA	HHDC	D0005 Instruction on Action. D0268 Half Hourly Meter Technical Details.  If site is Complex, send Complex Site Supplementary Information Form. Refer to Appendix 8.4 Guide to Complex Sites.	Electronic or other method, as agreed.
5.5.1.3	Following 5.5.1.2	Read Meter for the same HH Settlement Period as requested by the HHMOA using either a Hand Held Unit or via remote interrogation as appropriate (ensuring that data collected for the Settlement Period does not contain a zero value).	HHDC		As a minimum the HHDC shall collect the data required by the HHMOA, but may also collect and send more data than requested.	Internal Process.
5.5.1.4	Following 5.5.1.3	Send raw HH Metered Data or notification that Metered Data cannot be collected for the Settlement Periods requested. <sup>6</sup>  If unable to collect metering data for Settlement Period requested, send alternative Settlement Period HH Metered Data.	HHDC	HHMOA	D0001 Request Metering System Investigation. D0003 Half Hourly Advances.	Electronic or other method, as agreed.

<sup>3</sup> The HHMOA shall decide what proving method is appropriate in conjunction with the HHDC. Refer to appendix 8.3.2 'Methods of Proving' for descriptions of the method of proving.

<sup>4</sup> MS assigned to Measurement Class F are exempt from proving tests.

<sup>5</sup> Note that if the Proving Test fails the MOA and HHDC may have to reconsider whether the Site should be considered as a Complex Site.

<sup>6</sup> The HHDC shall use all reasonable endeavours to collect the data for the Settlement Period requested.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
5.5.1.5	Following 5.5.1.4	<p>If data received from HHDC, proceed to process 5.5.5 to undertake a comparison and issue the results.</p> <p>If data not received from HHDC, proceed to 5.5.1.2 to undertake a re-test or use an alternative method to prove MS.</p>	HHMOA			Internal Process.

## 5.5.2 Proving of a Metering System by Method 2<sup>5, 4</sup>

REF	WHEN <sup>7</sup>	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
5.5.2.1	When instructed by Supplier	Install or reconfigure commission to CoP4 and record MTD while on site.	HHMOA		See 5.2.2 or 5.3.4 as required.	Internal Process.
5.5.2.2	Following installation / reconfiguration, commissioning and once HH Metered Data retrieved or if previous proving test attempt failed	Agree date and time for proving test with HHDC or alternatively request re-test following failure of immediately preceding proving test and provide MTD.	HHMOA	HHDC	D0005 Instruction on Action. D0268 Half Hourly Meter Technical Details.  If site is Complex, send Complex Site Supplementary Information Form. Refer to Appendix 8.4 Guide to Complex Sites.	Electronic or other method, as agreed.
5.5.2.3	Following 5.5.2.2	Visit site a second time and note HH Metered Data to cover a specific Settlement Period.	HHMOA			Internal Process.
5.5.2.4	Following 5.5.2.3	Read Meter for the same HH Settlement Period as agreed with the HHMOA using either a Hand Held Unit or via remote interrogation as appropriate (ensuring that data for the Settlement Period collected does not contain a zero value).	HHDC		As a minimum the HHDC shall collect the data required by the HHMOA, but may also collect and send more data than requested.	Internal Process.
5.5.2.5	Following 5.5.2.4	Send raw HH Metered Data or notification that Metered Data cannot be collected <sup>6</sup> . If unable to collect HH Metered Data for agreed Settlement Period, send alternative Settlement Period HH Metered Data.	HHDC	HHMOA	D0001 Request Metering System Investigation.  D0003 Half Hourly Advances.	Electronic or other method, as agreed.

<sup>7</sup> In the case of a Registration Transfer from CMRS to SMRS, the proving test shall be performed in accordance with the timescale described in BSCP68

REF	WHEN <sup>7</sup>	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
5.5.2.6	Following 5.5.2.5	<p>If data received from HHDC, proceed to process 5.5.5 to undertake a comparison and issue the results.</p> <p>If data not received from HHDC, proceed to 5.5.2. to undertake a re-test or use an alternative method to prove MS.</p>	HHMOA			Internal Process.

### 5.5.3 Proving of a Metering System by Method 3<sup>5</sup>,<sup>4</sup>

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
5.5.3.1	When instructed by Supplier	<p>Install or reconfigure, commission to CoP4,<sup>8</sup> retrieve HH Metered Data for a specific HH Settlement Period and note MTD while on site.</p> <p>From the office, use own data retrieval system to read remotely for the same HH Settlement Period as collected during site visit.</p> <p>Compare HHMOA HH Metered Data from data retrieval system against that collected during site visit.<sup>9</sup></p> <p>If problem with readings taken from data retrieval system, investigate and rectify the problem then re-do the steps above.</p>	HHMOA		See 5.2.2 or 5.3.4 as required.	Internal Process.
5.5.3.2	Following installation, commissioning and once HH Metered Data retrieved.	Send request for proving test or alternatively request a re-test following failure of immediately preceding proving test and provide MTD. <sup>10</sup>	HHMOA	HHDC	<p>D0005 Instruction on Action.</p> <p>D0268 Half Hourly Meter Technical Details.</p> <p>If site is Complex, send Complex Site Supplementary Information Form. Refer to Appendix 8.4 Guide to Complex Sites.</p>	Electronic or other method, as agreed.

<sup>8</sup> The commissioning may be carried out when the HH MS is installed but may be deferred if load is not available at that time.

<sup>9</sup> If this data is correct then the MOAs data retrieval system has been successfully proved.

<sup>10</sup> The MOA does not specify the Settlement Periods to be collected by the HHDC.



REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
5.5.3.3	Following 5.5.3.2	Read Meter for Settlement Period of own choosing using either a Hand Held Unit or via remote interrogation as appropriate (ensuring that data for the Settlement Period collected does not contain a zero value).	HHDC			Internal Process.
5.5.3.4	Following 5.5.3.3	Send raw HH Metered Data or notification that Metered Data cannot be collected.	HHDC	HHMOA	D0001 Request Metering System Investigation. D0003 Half Hourly Advances.	Electronic or other method, as agreed.
5.5.3.5	Following 5.5.3.4	Use own data retrieval system to collect HH Metered Data for the same HH Settlement Period as provided by the HHDC.  If unable to collect data from data retrieval system, resolve problem then complete proving test.  If data received from HHDC, proceed to process 5.5.5 to undertake a comparison and issue the results.  If data not received from HHDC, proceed to 5.5.3.2 to undertake a re-test or use an alternative method to prove MS.	HHMOA			Internal Process.

#### 5.5.4 Proving of a Metering System by Method 4<sup>5, 4</sup>

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
5.5.4.1	When instructed by Supplier	Install or reconfigure, commission to CoP4, retrieve HH Metered Data for a specific HH Settlement Period and note MTD while on site.	HHMOA		See 5.2.2 or 5.3.4 as required.	Internal Process.
5.5.4.2	Following installation / reconfiguration, commissioning and once HH Metered Data retrieved	Send request for proving test or alternatively request a re-test following failure of immediately preceding proving test and provide MTD.	HHMOA	HHDC	D0005 Instruction on Action. D0268 Half Hourly Meter Technical Details.  If site is Complex, send Complex Site Supplementary Information Form. Refer to Appendix 8.4 Guide to Complex Sites.	Electronic or other method, as agreed.
5.5.4.3	Following 5.5.4.2	Read Meter for Settlement Period of own choosing using either a Hand Held Unit or via remote interrogation as appropriate (ensuring that data for the Settlement Period collected does not contain a zero value).	HHDC			Internal Process.
5.5.4.4	Following 5.5.4.3	Send raw HH Metered Data or notification that Metered Data cannot be collected.	HHDC	HHMOA	D0001 Request Metering System Investigation. D0003 Half Hourly Advances.	Electronic or other method, as agreed.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
5.5.4.5	Following 5.5.4.4	<p>Use manufacturer's software to read meter constants, pulse multiplier, serial no etc, then read meter pulses or engineering data for same HH period as provided by HHDC to calculate HH reading.</p> <p>If data received from HHDC, proceed to process 5.5.5 to undertake a comparison and issue the results.</p> <p>If data not received from HHDC, proceed to 5.5.4.2 to undertake a re-test.</p>	HHMOA			Internal Process.

## 8.3 Proving of Half Hourly Metering Systems

### 8.3.1 Reasons for a Proving Test

A proving test shall be carried out on both main and check MS and shall be carried out in the following circumstances:

- As a result of new connection or Registration Transfers from CMRS to SMRS;
- Following a change of HHDC appointment but only in the event that the MTD was manually intervened;
- Following a change of HHMOA appointment but only in the event that the MTD was manually intervened;
- Following a concurrent Change of Supplier and HHDC but only in the event that the MTD was manually intervened;
- When a MS is reconfigured / replaced;
- Following a change of Measurement Class from NHH to HH;
- When there is a Key field change (refer to Appendix 8.2);
- Where there has been a key field change (refer to Appendix 8.2) whilst a site has been de-energised and the MS becomes energised;
- Whenever a shared SVA MS arrangement is carried out; and
- Where a feeder is energised for the first time.

‘Manually intervened (with regard to proving tests)’ means that MTD have been entered, re-entered or changed in a software system manually i.e. the data has not been automatically entered into systems via receipt of a data flow.

MS assigned to Code of Practice 10 are exempt from proving tests.

MS assigned to Measurement Class F are exempt from proving tests.