

## **Attachment – CP1335 redline changes to BSCP504 ‘Non-Half Hourly Data Collection for SVA Metering Systems Registered in SMRS Version 25.2 Conformed’**

**The final paragraph in Section 1.1 will be modified to reference a new flow as being considered part of Meter Technical Details in the case of remote-read meters:**

### **1. Introduction**

#### **1.1 Scope and Purpose of the Procedure**

This BSC Procedure defines the processes that the Non-Half Hourly Data Collector (NHHDC) shall use to carry out the collection and processing of Metered Data for Non-Half Hourly (NHH) SVA Metering Systems.

Trading shall be on the basis of SVA Metering Systems with each SVA Metering System being assigned a unique Metering System Identifier (MSID). Settlement of all NHH SVA Metering Systems shall be performed on the basis of profiled Annualised Advances (AAs) (excluding unmetered supplies) and Estimated Annual Consumptions (EACs).

Where there is to be a change in any NHH Supplier Agent (bulk change of agent) such that the number of SVA Metering Systems affected exceeds a threshold set by the BSC Panel, a bulk change of agent application will be submitted for approval in accordance with BSCP513. Following such approval and where the NHHDC is impacted, this BSC Procedure will be used to process the bulk change of agent.

There are two main areas of functionality:

- (i) Data retrieval and data processing.

The data retrieval process involves retrieving Meter register readings<sup>1</sup> for NHH SVA Metering Systems and passing them on for use in data processing. The data processing involves validating Meter register readings which are used to derive Meter advances.

The NHHDC shall be responsible for collecting the Meter readings, either remotely or locally, of the Import and Export MSID(s) for which it is assigned. The NHHDC shall inform the Licensed Distribution System Operator (LDSO) of the collection rota that it maintains. The NHHDC shall inform the Supplier, Meter Operator Agent (MOA) and LDSO of suspected faults found during the collection.

The NHHDC shall treat Import and Export MSIDs the same except for the re-calculation of Load Factors and the identification of 100kW+ demand processes which apply to Import MSIDs only.

The Effective From Date for a Meter Advance Period shall be set to the date of the first meter reading and the Effective To Date for a meter advance period shall be set to the day before the date of the next meter reading.

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<sup>1</sup> Meter readings is a more generic requirement that includes Maximum Demand Indicators and other reading information that is not covered by the term Meter register reading. Only Meter register readings are required for Settlement purposes. Other readings may be required by Suppliers, LDSOs, NHHDCs and MOAs.

Meter advances are used to calculate AAs and EACs and are also stored for audit purposes. For each Meter advance, values are calculated for each Settlement register from the associated Meter registers. In most cases, the Settlement register shall take the advance of the corresponding Meter register. The exception to this is where single phase Meters are being used to measure a polyphase supply and registers on those Meters have the same register periods; this can be treated as a single SVA Metering System (MS). All registers for concurrent periods shall be summed and treated as a single register for the polyphase supply. Another exception is a Meter which has one or more switched registers which collectively are not active all the time. A Settlement register is required for the periods of time in which the individual switched registers are not active. The value for this register is derived by differencing.

The NHHDC shall be responsible for taking action to correct incorrectly mapped registers on SVA multi-rate Meters.

Each year in May for all non-domestic MSIDs where a Maximum Demand is recorded, the NHHDC shall in accordance with BSCP516, identify and calculate the annual Load Factor, and the Profile Class applicable to that Load Factor. The NHHDC shall then inform the Supplier of the required Profile Class change where the calculation shows that the Profile Class has changed.

(ii) Calculation of AAs and EACs.

The NHHDC passes:

- (a) the MAPs for each SVA MS
- (b) the active registration details during the MAP and
- (c) a Meter advance and previous EAC for each Settlement register

to the AA/EAC calculation process. The registration details include MSID, GSP Group, Profile Class, Standard Settlement Configuration (SSC), the effective from and to Settlement dates and also the Time Pattern Regime (TPR) details for each Settlement register.

The Supplier Volume Allocation System (SVAS) provides a Daily Profile Coefficient for each valid combination of GSP Group, Profile Class, SSC and TPR. Two values are then calculated from this data, the AA and EAC.

This BSC Procedure focuses on the interfaces between the NHHDC and other Agencies seen from the perspective of the NHHDC.

This BSC Procedure, in respect of Unmetered Supplies, only covers the obligations of the NHHDC and the Non-Half Hourly Data Aggregator (NHHDA) regarding Unmetered Supplies Operator (UMSO) provided EACs; all other Unmetered Supplies requirements are covered in BSCP520.

In this BSCP, any reference to Meter Technical Details means all technical details (including Outstation channel mapping) of a Metering System required to enable metered data to be collected and correctly interpreted from that Metering System. For the avoidance

of doubt this includes, but is not limited to, the items listed in the Data Interface flows D0150: Non Half Hourly Meter Technical Details, ~~and~~ D0149: Notification of Mapping Details and (where appropriate) Dxxx: Auxiliary Meter Technical Details. For NHH Metering Systems that can be read remotely, this also includes all appropriate information required by the NHHDC to retrieve data from the Metering System remotely. This may include, but is not limited to, the communications and security details of the Metering System and the Code of Practice of the Metering System installed.



Whenever a D0150 and D0149 are sent, a reference to the new flow and related appendix will be included. In addition to section 1.1, the following sections are impacted by CP1335:

- **Section 3.2.1 - Supplier requests New Connection - Metered Supply**
- **Section 3.2.3 - Change of NHHDC for an existing SVA Metering System not concurrent with a Change of Supplier**
- **Section 3.2.4 - Change of MOA for an existing SVA Metering System.**
- **Section 3.2.6 - Change of Supplier for an existing SVA Metering System.**
- **Section 3.2.7 - Change of LDSO**
- **Section 3.3.1 - Coincident Change of Supplier and Measurement Class from a Non-Half Hourly to a Half Hourly SVA Metering System.**
- **Section 3.3.2 - Coincident Change of Supplier and Measurement Class from a Half Hourly to a Non-Half Hourly SVA Metering System.**
- **Section 3.3.6 - Change of Standard Settlement Configuration.**
- **Section 3.3.7 - Reconfigure or Replace SVA Metering System - No Change of Measurement Class.**
- **Section 3.3.8 - Withdrawal of Meter Reading following Fault Rectification – Change of SVA Metering System**
- **Section 4.20 - Remotely Read Metering Systems**

**No other sections are impacted by CP1335 within BSCP504**

## 3.2 Registration Activities.

### 3.2.1 Supplier requests New Connection - Metered Supply.

3.2.1.2	Within 10 WD of completion of Meter installation.	Send NHH Metered Data, including MTD, energisation status and initial Meter register reading, where obtained.	MOA. <sup>2</sup>	NHHDC. NHHDC, Supplier, LDSO.	D0010 Meter Readings. D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a>	Electronic or other method, as agreed.
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### 3.2.3 Change of NHHDC for an existing SVA Metering System not concurrent with a Change of Supplier<sup>3</sup>.

3.2.3.12	Following request from Supplier and within 10 WD of effective date of DC appointment.	Send current MTD. Send details of any current faults.	MOA.	New NHHDC.	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a> D0002 Fault Resolution Report or Request for Decision on Further Action	Electronic or other method, as agreed.
3.2.3.13	Within 1 WD of 3.2.3.10.	If MTD not received as expected, request this data.	New NHHDC.	MOA.	D0170 Request for Metering System Related Details.	Electronic or other method, as agreed.

<sup>2</sup> Whenever installing new, replacement and re-configured NHH meters or carrying out work requiring the re-registration of the metering system, the MOA shall ensure that the meter registers are clearly identified and that the Meter Register ID (J0010) used in all relevant DTN data flows (e.g. D0149 and D0150) clearly identifies the registers on the metering asset read. See BSCP514 for details.

<sup>3</sup> Where a bulk change of agent is being initiated, BSCP513 must have been completed prior to triggering this process.

3.2.3.14	Within 1 WD of 3.2.3.11 request from new NHHDC.	Send current MTD.	MOA.	New NHHDC.	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a>	Electronic or other method, as agreed.
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### 3.2.4 Change of MOA for an existing SVA Metering System<sup>3</sup>.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.4.1	On appointment of new MOA.	Send notification <sup>4</sup> of new MOA to NHHDC.	Supplier.	NHHDC.	D0148 Notification of Change to Other Parties. D0302 Notification of Customer Details.	Electronic or other method, as agreed.
3.2.4.2		Send MTD.	New MOA.	NHHDC.	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a>	Electronic or other method, as agreed.

### 3.2.6 Change of Supplier for an existing SVA Metering System.<sup>5</sup>

<sup>4</sup> The Supplier will notify all other parties that need to know of change of MOA.

<sup>5</sup> Refer to Appendix 4.4 -- Change of Supplier Activities.

3.2.6.6	Once appointed to SVA MS by new Supplier.	Send the MTD to the new NHHDC.	MOA.	New NHHDC.	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a>	Electronic or other method, as agreed.
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### 3.2.7 Change of LDSO

3.2.7.2	Once appointed to SVA MSID by Supplier.	Send the MTD to the new NHHDC.	MOA.	New NHHDC.	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a>	Electronic or other method, as agreed.
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### 3.3.1. Coincident Change of Supplier and Measurement Class from a Non-Half Hourly to a Half Hourly SVA Metering System<sup>6</sup>.

<sup>6</sup> This process can also be used where there is only a CoMC, not a coincident CoS and CoMC.

3.3.1.2	By SSD+5.	Send final Meter register reading(s) or notification that Meter register reading not obtainable and notification that this is a coincident CoS.	NHHMOA.	NHHDC.	D0010 Meter Readings or D0002 Fault Resolution Report or Request for Decision on Further Action (use the “Additional Information” field to indicate that this is a coincident change). D0150 Non-Half Hourly Meter Technical Details. <a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a>	Electronic or other method, as agreed.
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### 3.3.2. Coincident Change of Supplier and Measurement Class from a Half Hourly to a Non-Half Hourly SVA Metering System<sup>6</sup>.

3.3.2.2	Within 10 WD of installation of Metering system.	Send MTD.  Send initial Meter register reading	NHHMOA	Supplier, NHHDC, LDSO. NHHDC	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a> D0010 Meter Readings.	Electronic or other method, as agreed.
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### 3.3.6. Change of Standard Settlement Configuration.



3.3.6.1		<p>Send notification that MOA is to re-program Meter registers. If necessary, agree revised contractual terms with NHHDC.</p> <p>Pass final Meter register reading for old register configuration and initial Meter register reading for new register configuration, including MTD and the mapping of these onto each Settlement Register<sup>7</sup>.</p>	<p>Supplier<sup>8</sup>.</p> <p>MOA.</p>	<p>NHHDC.</p> <p>NHHDC, Supplier, LDSO.</p>	<p>P0027 Notification of Pending Work.</p> <p>D0010 Meter Readings.</p> <p>D0149 Notification of Mapping Details.</p> <p>D0150 Non-Half Hourly Meter Technical Details.</p> <p><a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a></p>	Electronic or other method, as agreed.
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### 3.3.7. Reconfigure or Replace SVA Metering System - No Change of Measurement Class.

3.3.7.1	Within 10 WD of replacing / reconfiguring MS	<p>Send final Meter register reading for replaced / reconfigured MS or notify that Meter register reading not obtainable.</p> <p>Send Meter register reading for replacement MS / new configuration.</p> <p>Send MTD for replacement MS / new configuration.</p>	MOA. <sup>9 10</sup>	<p>NHHDC.</p> <p>NHHDC, Supplier, LDSO.</p>	<p>D0010 Meter Readings or D0002 Fault Resolution Report or Request for Decision on Further Action</p> <p>D0149 Notification of Mapping Details</p> <p>D0150 Non-Half Hourly Meter Technical Details.</p> <p><a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a></p>	Electronic or other method, as agreed.
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<sup>7</sup> Settlement Registers must not 'double count' electricity. If two physical registers record the same consumption, then the NHHDC must perform a process of differencing.

<sup>8</sup> If necessary the Supplier and NHHDC agree revised terms for retrieval and processing of data.

<sup>9</sup> A change of Meter due to safety reasons may lead to a different type of Meter being put in. This would require the MOA to determine a permanent solution, in conjunction with the NHHDC as necessary.

### 3.3.8.2 Withdrawal of Meter Reading following Fault Rectification – Change of SVA Metering System.

3.3.8.2.1	As soon as possible after installation of new SVA MS.	<p>Send:</p> <ul style="list-style-type: none"> <li>notification of fault and period affected<sup>54</sup>;</li> <li>confirmation of rectification of fault following installation of new SVA MS;</li> <li>final Meter register reading for removed SVA MS where obtained<sup>11</sup>; and</li> <li>MTD, including Meter register reading for replacement SVA MS.</li> </ul> <p>If there is a change of SSC as a result of installing new SVA MS, send the revised SVA MS details and the initial (class average) EAC.</p>	MOA.	NHHDC <sup>12 56</sup> .	<p>D0002 Fault Resolution Report or Request for Decision on Further Action.</p> <p>D0010 Meter Readings.</p> <p>D0149 Notification of Mapping Details.</p> <p>D0150 Non-Half Hourly Meter Technical Details.</p> <p><u><a href="#">Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</a></u></p>	Electronic or other method, as agreed.
			Supplier.	NHHDC SMRA	<p>D0052 Affirmation of Metering System Settlement Details.</p> <p>D0205 Update Registration Details</p>	

<sup>10</sup> With reference to 3.3.7.1, whenever installing new, replacement and re-configured NHH meters or carrying out work requiring re-registration of the metering system, the MOA shall ensure that the Meter registers are clearly identified and that Meter Register Id (J0010) to be used in all relevant DTN Data Flows (e.g. D0149 & D0150) clearly identifies the registers on the metering asset read. See BSCP514 for details.

11 If the NHHDC receives a final Meter register reading for the removed SVA MS the NHHDC will record but will not use this Meter register reading in Settlement as the NHHDC will deem an advance for the period of the fault.

<sup>12</sup> The NHHDC must ensure that there is no change to the original reading collected from the SVA MS as a result of SVA MS faults notified by the MOA. Invalidated readings must be retained for reference.

**Modify section 4.20 'Remotely Read Metering Systems' to specify the requirements for sending and processing the new data flow. Separate the requirements into Meter Technical Details and Data Collection:**

#### **4.20 Remotely Read Metering Systems**

##### Meter Technical Details

Metering Systems that are configured for remote reading may be identified through the J0483 Meter Type contained in the Non Half Hourly Meter Technical Details established by the NHHMOA. Where the Meter Type is any one of the following:

- 'RCAMR' (Remotely Configurable Automated Meter Reading);
- 'NCAMR' (Non-Remotely Configurable Automated Meter Reading); or
- 'RCAMY' (Remotely Configurable Automated Meter Reading with Remote Shutdown Capability)

the NHHDC shall ensure that whenever a D0150 is required to be processed by the NHHDC in accordance with this BSCP, the data in the Dxxx Auxiliary Meter Technical Details flow is processed successfully for that Metering System.

##### Data Collection

It is recognised that the NHHDC may receive readings from remotely read Metering Systems on a frequent basis. All readings shall be processed for Settlement purposes, subject to the following exception:

- Routine readings (i.e., readings that are not Change of Supplier, Initial, Final, Special, etc) that, if omitted from Settlement, do not result in there being more than three months between valid readings for a Profile Class 1-4 MS or more than one month between valid readings for a Profile Class 5-8 MS.

For the avoidance of doubt, if Meter readings have not been collected within the periods specified above, then no Meter readings are required to be processed.

The requirements set out in this paragraph do not constitute a requirement to read Meters with the frequencies stated.