

<p align="center">Change Proposal – BSCP40/02</p>	<p>CP No: 1335</p> <p><i>Version No: v1.0</i></p>
<p>Title</p> <p>Creation of New Auxiliary Meter Technical Details Data flow</p>	
<p>Description of Problem/Issue</p> <p><u>Background</u></p> <p>On 6th April 2009 a new Supply Licence Condition came into effect that required the installation of advanced meters for Profile Class 5-8 sites. To support this new condition, MRA Parties devised an interim manual solution to allow technical details specific to advanced meters, e.g. communication methods and addresses, to be exchanged between participants.</p> <p><u>Why the need for Change:</u></p> <p>On 29 April 2010, the MRA Development Board approved an enduring solution in the form of a new data flow, the Dxxx¹ Auxiliary Meter Technical Details, which is designed to be sent alongside the D0150 NHH Meter Technical Details flow in cases where advanced meters are fitted. A corresponding MRA Working Practice requires that this flow, or at least the information contained within it, should be mandatory where the relevant conditions apply.</p> <p>Note that the conditions established by the solution are based around the Meter Type data item, rather than either the Profile Class or a definition of 'advanced meter' Instead, the Working Practice states that</p> <p><i>"Where a new installation of a meter intending to be remotely read occurs but the communications are not operating initially, the Meter Type should be set to 'N', and the D0149/D0150 sent. When the communications are installed and operational on the metering equipment the Meter Type should be changed to NCAMR RCAMR or RCAMY, and the D0149/D0150 and Dxxxx sent."</i></p> <p>NCAMR, RCAMR and RCAMY are Meter Type codes that are used to denote remote read capability; a full definition is available from the MRASCo website here.²</p> <p>To provide robust governance for the use of this flow, it needs to be referenced in the relevant BSC Procedures. Furthermore, the data flow includes a new data item, 'Communications Provider ID', whose valid set is to be maintained through Market Domain Data.</p>	

¹ The D-number for this flow will be confirmed by MRASCo prior to implementation

² Note that the RCAMY Meter Type is being added by [DTC CP3308](#) as part of the November 2010 release.

Proposed Solution

The following Code Subsidiary Documents will need to be amended in order to align the BSC with the proposed changes:

BSCP504 and BSCP514:

These BSCPs would be modified to include obligations on Meter Operators and Data Collectors to make use of the new flow alongside the D0150 in cases where advanced meters are fitted. New appendices will be created explaining the exact circumstances where the flow must be used, and these will be cross-referenced from the relevant steps in the interface timetables.

BSCP515:

A minor change is required to reference the use of the new flow when MOAs send meter technical details to LDSOs for new installations. The detailed requirements for the sender (the MOA) would remain in BSCP514.

BSCP537 Appendix 1 (Self Assessment Document) and Appendix 2 (Testing Requirements):

References to the new flow would be included in the qualification testing requirements for Suppliers, NHHMOAs and NHHDCs, ensuring that new entrants are capable of using the flow or handling the data within it.

SVA Data Catalogue (Volume 1 & 2):

The Catalogue would be amended to include the new flow in the index and include references to BSCP504 and BSCP514 along with the relevant from/to instances.

Market Domain Data:

Add identifiers for Communications Providers into MDD. This would be achieved by raising an MDD Change Request against MDD Entity 21 (Market Role) and then assigning this role to participants added through MDD Entity 1 (Market Participant). No changes to the MDD system itself should be necessary.

Justification for Change

The new flow aims to ensure Meter Operators and Data Collectors are able to operate advanced meters successfully, especially following Change of Supplier and Change of Agent events. The data flow goes further **than the interim solution in that it provides details of a meter's data storage configuration in order to ensure** that when carrying out remote reads, information is collected from the correct registers.

Including the flow in the BSCPs will mandate its use by Meter Operators and Data Collectors, ensuring a consistent approach is followed by all participants.

The creation of a new Communications Provider role in MDD will ensure that the market has a robust central source for this data, **ensuring each Metering System's communications provider can be identified accurately.**

To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code?

Section L 'Metering' contains the high-level requirement for meters to be installed in compliance with the Codes of Practice. In turn, certain CoPs are made relevant for Profile Class 5-8 sites. This CP allows participants to facilitate the provisions of the Code by improving the exchange of meter technical data for advanced meters.

Estimated Implementation Costs *(mandatory by BSCCo)*

ELEXON man days/costs: 8 days, equivalent to £1,980.

Configurable Items Affected by Proposed Solution(s)

BSCP504 - Non Half Hourly Data Collection for SVA Metering Systems Registered in SMRS
BSCP514 - SVA Meter Operations for Metering Systems Registered in SMRS
BSCP515 - Licensed Distribution
SVA Data Catalogue Volume 1
SVA Data Catalogue Volume 2
BSCP537 Appendix 1 Self Assessment Document
BSCP537Appendix 2 Testing Requirements

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

MRA Data Transfer Catalogue and Working Practices

Related Changes and/or Projects

DTC CP3310 v2.0 'Introduction of a new flow to support additional information'

- [CP form](#)
- [DTC drafting](#)

Working Practice Product Set (WPPS) CP0101 v2.0 'AMR Auxiliary Metering Information'

- [CP form and agreed Working Practice](#)

Requested Implementation Date

Feb 2011

Reason:

Implementation in February will coincide with the DTC and WPPS changes.

Version History

Version 1.0 for Impact Assessment

Originator's Details:

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Date.....28 May 2010

Attachments: Y

Attachment A: BSCP504 - Non Half Hourly Data Collection for SVA Metering Systems Registered in SMRS (11 Pages)

Attachment B: BSCP514 - SVA Meter Operations for Metering Systems Registered in SMRS (14 Pages)

Attachment C: BSCP515 - Licensed Distribution (2 Pages)

Attachment D: SVA Data Catalogue Volume 1 (7 Pages)

Attachment E: SVA Data Catalogue Volume 2 (2 Pages)

Attachment F: BSCP537 Appendix 1 Self Assessment Document (2 Pages)

Attachment G: BSCP537Appendix 2 Testing Requirements (1 Page)



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 readings¹ 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.

¹ 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. ²	NHHDC. NHHDC, Supplier, LDSO.	D0010 Meter Readings. D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	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 Supplier³.

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. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20) 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.

² 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.

³ 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. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	Electronic or other method, as agreed.
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3.2.4 Change of MOA for an existing SVA Metering System³.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.4.1	On appointment of new MOA.	Send notification ⁴ 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. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	Electronic or other method, as agreed.

3.2.6 Change of Supplier for an existing SVA Metering System.⁵

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

⁵ 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. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	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. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	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 System⁶.

⁶ 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. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	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 System⁶.

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. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u> 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 Register⁷.</p>	<p>Supplier⁸.</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>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</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. ^{9 10}	<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>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</p>	Electronic or other method, as agreed.
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⁷ Settlement Registers must not 'double count' electricity. If two physical registers record the same consumption, then the NHHDC must perform a process of differencing.

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

⁹ 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"> notification of fault and period affected⁵⁴; confirmation of rectification of fault following installation of new SVA MS; final Meter register reading for removed SVA MS where obtained¹¹; and MTD, including Meter register reading for replacement SVA MS. <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. Supplier.	NHHDC ^{12 56} . NHHDC SMRA	<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>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</p> <p>D0052 Affirmation of Metering System Settlement Details.</p> <p>D0205 Update Registration Details</p>	Electronic or other method, as agreed.
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¹⁰ 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.

¹² 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.



Attachment – CP1335 redline changes to BSCP514 ‘SVA Meter Operation’ v18.2 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 Purpose and Scope of the Procedure

This BSC Procedure (BSCP) defines the processes that both the Half Hourly (HH) and Non-Half Hourly (NHH) Meter Operator Agent (MOA) shall use to carry out the work for meter operations (including, appointment changes, market data activities, connections, disconnections, reconfiguration or changes and proving (of HH Metering Systems (MS))) for all Supplier Volume Allocation (SVA) MS registered in the Supplier Meter Registration System (SMRS).

This BSCP describes the key interfaces and timetables for sending appropriate SVA MS data to the Associated HH and NHH Data Collector (HHDC and NHHDC), Meter Asset Provider (MAP) and distributor on behalf of the Associated Supplier. In this BSCP, the “Associated Data Collector” is the Data Collector for the relevant SVA Metering System for the time being appointed by the Associated Supplier of the relevant Supplier Agent. “Associated HH Data Collector” and “Associated NHH Data Collector” shall be construed accordingly.

This BSCP also focuses on the interfaces between the MOA and other agencies seen from the perspective of the MOA.

The purpose of this BSCP is to ensure that meter operations work of the MOA is carried out in an orderly and timely manner.

In this BSCP, any reference to “Meter Technical Details” means all the relevant information about Metering Equipment required by the appropriate Data Collector (or where appropriate, the Meter Operator Agent) to carry out his duties. For the avoidance of doubt this includes, but is not limited to, the items listed in Data Interface flows D0268: Half Hourly Meter Technical Details (for Half Hourly trading) or D0150: Non Half Hourly Meter Technical Details, ~~and~~ D0149: Notification of Mapping Details and (where appropriate) Dxxx: Auxiliary Meter Technical Details (for Non Half Hourly trading). For 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 (and, where appropriate, required by the Meter Operator Agent to configure 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.

This BSCP contains guidance on the completion of a ‘Complex Site Supplementary Information Form’ for the D0268 ‘Half Hourly Meter Technical Details’ data flow where the HH MS is deemed to be at a Complex Site.



Whenever a D0150 and D0149 are sent, add a reference to the new flow and related appendix. As well as section 1.1, the following sections are impacted by CP1335:

- **Section 6.2.1 - Change of NHHMOA (No change of Metering System or Change of Supplier)**
- **Section 6.2.2 - New Connection**
- **Section 6.2.3 - Change of NHHDC for an existing Metering System**
- **Section 6.2.4 - Concurrent change of Supplier and NHHMOA (No Change to Metering System)**
- **Section 6.2.5 - Change of Supplier (No Change to Metering System or Change of NHHMOA)**
- **Section 6.3.3 - Removal of a Metering System**
- **Section 6.3.4 - Reconfigure or Replace Metering System (No Change of Measurement Class)**
- **Section 6.3.5 - LDSO Replaces MS (For Safety Reasons / Urgent Metering Services)**
- **Section 6.4.1 - Investigate Inconsistencies**
- **Section 7.1 - Change of Measurement Class from NHH to HH Metering System**
- **Section 7.2 - Coincident Change of Measurement Class from NHH to HH Metering System and Change of Supplier**
- **Section 7.3 - Change of Measurement Class from HH to NHH Metering System**
- **Section 7.4 - Coincident Change of Measurement Class from HH to NHH Metering System and Change of Supplier**
- **Section 9 - Appendices - Non-Half Hourly**

No other sections are impacted by CP1335 within BSCP514



6.2.1 Change of NHHMOA (No change of Metering System or Change of Supplier)

6.2.1.9	Within 5 WD of 6.2.1.6	Send MTD.	Current NHHMOA ²⁷	New NHHMOA ⁷	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. ^{1 2} Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	Electronic or other method, as agreed.
6.2.1.10	Within 5 WD of 6.2.1.9	Send MTD.	New NHHMOA	Supplier / NHHDC / LDSO	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	Electronic or other method, as agreed.

6.2.2 New Connection

¹ If MTD are not received within 12 WD of new NHHMOA appointment, new NHHMOA to request the current NHHMOA to send MTD using the D0170 Request for Metering System Related Details and report this to the Supplier.

² The NHHMOA will send the D0150 Non Half-hourly Technical Details to the relevant parties in all cases, even when no Meter is present.

6.2.2.10	Within 10 WD of 6.2.2.8	Send change of energisation status and MTD. ³	NHHMOA	Supplier / NHHDC / LDSO	D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	Electronic or other method, as agreed.
		Send initial Meter register reading.		NHHDC	D0010 Meter readings.	
		Send notification of Meter installation, Supplier ID and NHHMOA's appointment.		MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	

6.2.3 Change of NHHDC for an existing Metering System⁴

³ Whenever installing new, replacement or re-configured meters or carrying out work requiring re-registration of the metering system, the MOA shall ensure that the meter registers are clearly labelled and that the data item J0010 'Meter Register Id' in all relevant DTN data flows (e.g. D0149 & D0150) accurately reflects the identifiers of the meter registers themselves. See Sections 2.3.2 and 2.4.1 for details.

⁴ This process shall also apply to a concurrent Change of Supplier and Change of NHHDC. The Supplier referred to above is the new Supplier. In this case, the MTD and details of any current faults shall also be sent to the new Supplier and LDSO.

6.2.3.2	Within 5 WD of 6.2.3.1	Send MTD and details of any current faults.	NHHMOA	New NHHDC	D0002 Fault Resolution Report or Request for Decision on Further Action. D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. ² <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	Electronic or other method, as agreed.
6.2.3.3	Within 1 WD of 6.2.3.2	If MTD not received as expected, request this data.	New NHHDC	NHHMOA	D0170 Request for Metering System Related Details.	Electronic or other method, as agreed.
6.2.3.4	Within 1 WD of 6.2.3.3 request from new NHHDC.	Send current MTD.	MOA	New NHHDC	D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details. ² <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	Electronic or other method, as agreed.

6.2.4 Concurrent change of Supplier and NHHMOA (No Change to Metering System)

6.2.4.9	Within 5 WD of 6.2.4.8	Send MTD.	Current NHHMOA ²⁷	New NHHMOA ⁷	D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details. ² <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	Electronic or other method, as agreed.
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6.2.4.10	Within 5 WD of 6.2.4.9	Send MTD.	New NHHMOA	New Supplier / NHHDC / LDSO	D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details. ² <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	Electronic or other method, as agreed.
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6.2.5 Change of Supplier (No Change to Metering System or Change of NHHMOA)

6.2.5.8	Within 5 WD of 6.2.5.7	Send MTD. Send notification of Supplier and NHHMOA's appointment.	NHHMOA	New Supplier / NHHDC / LDSO MAP	D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details. ² <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u> D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed.
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6.3.3 Removal of a Metering System^{5 6 7}

6.3.3.4	Within 10 WD of removing MS or of receiving notification from the LDSO that a Metering System was disconnected.	Liaise with LDSO to recover Meter if necessary.	NHHMOA ²⁷	LDSO		Telephone/Fax/e mail/letter
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⁵ Note that prior to the removal of the MS, a de-energisation shall be carried out in accordance with section 6.3.2 If de-energisation is carried out at the same time as the removal of the MS, only the flows referenced in section 6.3.3 need be sent.

⁶ The Removal of a MS includes the removal of all Meters assigned to that MS. Where only some of the Meters are to be removed, a reconfiguration process shall be followed in accordance with section 6.3.4.

⁷ Note that the removal of a MS requires the removal of all of the Meters associated with that MS. Where only some of the Meters are to be removed, proceed in accordance with section 6.3.4 Reconfigure or Replace Metering System (No Change of Measurement Class).

		Send MTD and notification that the MS has been removed. ⁸		Supplier / NHHDC / LDSO	D0150 Non-Half Hourly Meter Technical Details. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	Electronic or other method, as agreed.
		Send final Meter register reading or notification that Meter register reading not obtainable.		NHHDC	D0010 Meter Readings or D0002 Fault Resolution Report or Request for Decision on Further Action	
		Send notification of Meter removal.		MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	

⁸ Where the MS has been removed by the LDSO as part of an Urgent Metering Service (UMetS), the LDSO shall provide the notification and final Meter register reading to the NHHMOA, and the NHHMOA shall provide this information to the Supplier and the NHHDC.

6.3.4 Reconfigure or Replace Metering System (No Change of Measurement Class)⁹

6.3.4.4	Within 10 WD of the replacement / reconfiguration of the MS	<p>Send final Meter register reading for replaced / reconfigured MS or notification that Meter register reading not obtainable.</p> <p>Send initial Meter register reading for replacement MS / new configuration.</p> <p>Send MTD for replacement MS / new configuration.³</p> <p>Send notification of removal of old Meter.</p> <p>Send notification of installation of new Meter.</p>	NHHMOA ²⁷	<p>NHHDC</p> <p>NHHDC / Supplier / LDSO</p> <p>MAP of removed Meter</p> <p>MAP of installed Meter</p>	<p>D0010 Meter Readings or D0002 Fault Resolution Report or Request for Decision on Further Action.</p> <p>D0010 Meter Readings. D0149 Notification of Mapping Details.</p> <p>D0150 Non-Half Hourly Meter Technical Details. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u></p> <p>D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.</p> <p>D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.</p>	Electronic or other method, as agreed.
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6.3.5 LDSO Replaces MS (For Safety Reasons / Urgent Metering Services)

⁹ Note that prior to the reconfiguration or replacement of the MS, a de-energisation shall be carried out in accordance with section 6.3.2.

6.3.5.4	Within 10 WD of 6.3.5.3	<p>Send final Meter register reading for replaced MS or notify that Meter register reading not obtainable.</p> <p>Send initial Meter register reading and MTD for replacement MS.</p>	LDSO ¹⁰	NHHMOA	<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><u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u></p> <p>D0010 Meter Readings.</p>	Electronic or other method, as agreed.
6.3.5.5	Within 10 WD of 6.3.5.4	<p>Send final Meter register reading for replaced MS or notification that Meter register reading not obtainable.</p> <p>Send initial Meter register reading for replacement MS.</p> <p>Send MTD for replacement MS.</p> <p>Send notification of removal of old Meter.</p>	NHHMOA ²⁷	<p>NHHDC</p> <p>Supplier / NHHDC</p> <p>MAP of removed Meter</p>	<p>D0010 Meter Readings or 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>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u></p> <p>D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.</p>	Electronic or other method, as agreed.

¹⁰ Since the LDSO is operating as part of an Urgent Metering Services (UMetS), he shall interface with the NHHMOA who shall be responsible for notifying the Supplier and the NHHDC of the action taken.

		Send notification of installation of new Meter.		MAP of installed Meter	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	
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6.4.1 Investigate Inconsistencies

6.4.1.8	Within 10 WD of resolving problem	Send MTD if appropriate. Notify relevant MAP of corrections as required.	NHHMOA	Supplier / NHHDC / LDSO MAP	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u> D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed.
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7.1 Change of Measurement Class from NHH to HH Metering System^{11 12}.

7.1.12	Within 10 WD of 7.1.11	Send MTD.	NHHMOA ²⁷	HHMOA	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	Electronic or other method, as agreed.
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¹¹ Should any participant experience any problems whilst carrying out the CoMC process, these should be reported to the Supplier and the Supplier should resolve as appropriate.

¹² Note that the Change of Meter shall not occur until on or after the SSD.

7.1.19	Within 10 WD of 7.1.17	Send final NHH Meter register reading ¹³ or notification that Meter register reading not obtainable and that this is a CoMC. Notification of Meter removal.	NHHMOA NHHMOA	NHHDC Supplier / NHHDC / LDSO MAP of old Meter	D0010 Meter Readings or D0002 Fault Resolution Report or Request for Decision on Further Action. D0150 Non-Half Hourly Meter Technical Details. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u> D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed.
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7.2 Coincident Change of Measurement Class from NHH to HH Metering System and Change of Supplier¹².

7.2.12	Within 10 WD of 7.2.11	Send MTD.	NHHMOA ²⁷	HHMOA	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	Electronic or other method, as agreed.
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¹³ The outgoing MOA shall be entitled to use customer own reads or readings provided by the outgoing Non Half Hourly Data Collector for the final Meter readings.

7.2.19	Within 10 WD of 7.2.17	Send final NHH Meter register reading ¹³ or notification that Meter register reading not obtainable and that this is a CoMC.	NHHMOA	NHHDC	D0010 Meter Readings or D0002 Fault Resolution Report or Request for Decision on Further Action	Electronic or other method, as agreed.
			NHHMOA	Supplier / NHHDC / LDSO	D0150 Non-Half Hourly Meter Technical Details Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	
		Notification of Meter removal.		MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	

7.3 Change of Measurement Class from HH to NHH Metering System^{11 12}.

7.3.18	Within 10 WD of 7.3.16	Send MTD.	NHHMOA	Supplier / NHHDC / LDSO	D0149 Notification of Mapping Details.	Electronic or other method, as agreed.
					D0150 Non-Half Hourly Meter Technical Details. Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)	
		Send initial NHH Meter register reading. Send notification of Meter installation, Supplier and NHHMOA's appointment.		NHHDC MAP	D0010 Meter Readings. D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	

7.4 Coincident Change of Measurement Class from HH to NHH Metering System and Change of Supplier^{11 12}.

7.4.18	Within 10 WD of 7.4.16	Send MTD.	NHHMOA	New Supplier / NHHDC / LDSO	D0149 Notification of Mapping Details. D0150 Non-Half Hourly Meter Technical Details. <u>Dxxx Auxiliary Meter Technical Details (in accordance with Appendix 4.20)</u>	Electronic or other method, as agreed.
		Send initial NHH Meter register reading.		NHHDC	D0010 Meter Readings.	
		Send notification of Meter installation and Supplier.		MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	



Add a new section in section 9 'Appendices - Non-Half Hourly' to cover remotely-read meters, though in this case most of the focus will be on AMR. This will include a requirement for the MOA to maintain the auxiliary details as well as sending and processing the information.

9.3 Remotely Read Non Half Hourly Meters

Metering Systems that are configured for remote reading may be identified by the NHHMOA through the J0483 Meter Type contained in the Non Half Hourly Meter Technical Details. 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 NHHMOA shall maintain a set of Auxiliary Meter Technical Details and shall ensure that whenever a D0150 is required to be sent or processed by the NHHMOA in accordance with this BSCP, the data in the Dxxx Auxiliary Meter Technical Details flow is also sent or processed successfully for that Metering System.



Attachment – CP1335 redline changes to BSCP515 ‘Licensed Distribution’ v11.0

Add new flow will be included within step 3.3.5 for new SVA Metering Systems.

3.3 New SVA Metering System

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.1	For all other metering systems. Within 2WD of completion of works associated with a new connection, or LDSO’s agreement with Supplier to register a new MSID.	Notify new MSID data.	LDSO.	SMRA.	MSID, GSP Group Id, LLF Class Id, 1998 TA Indicator (and Metering Point Address is required by MRA).	Electronic or other method, as agreed.
3.3.2	Within 1WD of accepting a valid registration from the Supplier.	Notify Settlement liability for New MSID.	SMRA.	LDSO.	Supplier Id, MSID, DA Id, DC Id and Supply Start Date.	Electronic or other method, as agreed.
3.3.3	As required.	Request Site Technical Details.	MOA.	LDSO.	D0170 Request for Metering System Related Details.	Electronic or other method, as agreed.
3.3.4	Within 5WD of 3.3.3.	Provide Site Technical Details.	LDSO.	MOA.	D0215 Provision of Site Technical Details.	Electronic or other method, as agreed.

3.3.5	Within 5WD (for HH) or 10WD (for NHH) of installation and commissioning of Metering System by MOA.	Provide Meter Technical Details.	MOA.	LDSO.	D0149 Notification of Mapping Details, D0150 Non Half Hourly Meter Technical Details. (for NHH Metering Systems) <u>Dxxx Auxiliary Meter Technical Details (in accordance with BSCP514)</u> OR D0268 Half Hourly Meter Technical Details. (for HH Metering Systems)	Electronic or other method, as agreed.
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No further changes will be made to BSCP515 as part of CP1335.



Attachment – CP1335 redline changes to BSCP537 Appendix 1 v8.0 – Self Assessment Document

We will add references to the new flow in the qualification questions for HHMOAs and HHDCs:

8.1 Business processes and mitigating controls

Question	Guidance	Response	Evidence
8.1.1 How do you ensure that data flows are received and processed completely, accurately and in a timely manner, in line with the requirements of BSCP504 and PSL100?	<p>The NHHDC agent receives a number of key inputs, including the following:</p> <ol style="list-style-type: none"> 1. Appointment and termination notifications on D0155 and D0151 data flows (including read frequency requests) from Supplier (BSCP504 3.2, 3.3 & 3.4). 2. Metering System Settlement detail affirmations on a D0052 data flow (including D0052 received for Unmetered Supply Metering Systems) from Suppliers (BSCP504 3.2 & 3.3). 3. Notification of mapping details, and Non Half Hourly Meter Technical Details <u>and Auxiliary Meter Technical Details</u> on D0149, and D0150 <u>and Dxxx</u> data flows from Meter Operator Agents (BSCP504 3.2 & 3.3). 4. Confirmation or rejection of energisation status change on a D0139 data flow from Meter Operator Agents (BSCP504 3.3.3, 3.3.4, 3.3.5). 		

Question	Guidance	Response	Evidence
	<edit>		

8.2 Exception Management

Question	Guidance	Response	Evidence
8.2.1 What procedures are in place for identifying, monitoring and resolving unprocessed data flows or notification exceptions arising in processing and other errors in order to ensure that service level requirements are met?	<p>Within the requirements of the service there are a number of points at which delays in processing data could occur, which, if not addressed, could result in the timescale requirements, as set out in BSCP504 or PSL100, being exceeded. This could consequentially have an adverse impact on the quality of data used by other Party Agents or Parties in the Settlement process.</p> <p>The response should address the following areas:</p> <ol style="list-style-type: none"> 1. The internal reporting mechanisms in place to identify rejections, errors and backlogs in data processing on a daily basis. 2. The ongoing analysis performed to identify: <ol style="list-style-type: none"> (a) all points of rejection/failure in data flow processing. (b) all areas where backlogs may occur in processing e.g. where there are dependent flows such as D0149/D0150/Dxxx data flows or where manual review is required to 		

Question	Guidance	Response	Evidence
	<p>validate data.</p> <p><edit></p>		

13.1 Business Processes and Mitigating Controls

Question	Guidance	Response	Evidence
13.1.1 How do you ensure that data is received and processed completely accurately and in a timely manner, in line with the requirements of BSCP514, BSCP550 and PSL100?	<p>The SVA HHMOA receives a number of key inputs:</p> <ol style="list-style-type: none"> 1. D0155, D0151, D0148 from Suppliers relating to appointments and Party Agent changes. (BSCP514 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.2.6, 7.1, 7.2, 7.3 and 7.4). 2. D0170 from Suppliers, NHHDCs and other Metering System Operators requesting Metering System details. (BSCP514 5.2.1, 5.2.4, 5.2.5, 5.2.6, 7.3 and 7.4). 3. D0268, D0289, D0149, D0150, Dxxxx, D0010 and D0215 from Suppliers, other Metering System Operators and LDSOs providing Metering System technical details or Metering System readings. (BSCP514 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.3.5, 7.1, 7.2, 7.3 and 7.4). 4. D0134 and D0139 from Suppliers, other Metering System operators and LDSOs requesting and providing energisation status changes (BSCP514 5.3.1 and 5.3.2). 5. D0142 from Suppliers requesting installation, 		

Question	Guidance	Response	Evidence
	<p>removal or changes to Metering Systems (BSCP514 5.3.3 5.3.4, 5.3.6, 7.1, 7.2 and 7.4).</p> <p><edit></p>		

14.1 Business processes and mitigating controls

14.1.1	How do you ensure that data is received and processed completely accurately and in a timely manner, in line with the requirements of BSCP514 and PSL100?	<p>The SVA NHHMOA receives a number of key inputs:</p> <ol style="list-style-type: none"> 1. D0155, D0151, D0148 from Suppliers relating to appointments and Party Agent changes (BSCP514 6.2.1, 6.2.2, 6.2.3, 6.2.4, 6.2.5, 7.1, 7.2, 7.3 and 7.4). 2. D0170 from Suppliers and other Meter Operators requesting Metering System details (BSCP514 6.2.1, 6.2.4, 7.1 and 7.2). 3. D0149, D0150, Dxxxx, D0010, D0268, D0291 and D0215 from Suppliers, other Metering System Operators and LDSOs providing Metering System technical details or Meter readings (BSCP514 6.2.1, 6.2.2, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, 7.2, 7.3 and 7.4). 4. D0134 and D0139 from Suppliers, other Metering System operators and LDSOs requesting and providing energisation status changes (BSCP514 6.3.1 and 6.3.2). 5. D0142 from Suppliers requesting installation, removal or changes to Metering Systems (BSCP514 6.2.2, 6.3.3, 6.3.4, 7.3 and 7.4). <p>The response should address the following areas:</p> <ol style="list-style-type: none"> 1. All flows are identified, reviewed and 	
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	<p>authorised prior to processing.</p> <ol style="list-style-type: none"> 2. The validation of data for formats and lengths, e.g. the MSID is valid. 3. The validation of data for its internal consistency. 4. Controls in place to ensure that all data required or expected is received. This may be through controls within the update routines or through manual controls. 		
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18.1 Business processes and mitigating controls

18.1.1.2 What controls and procedures are in place to ensure the accurate, complete and timely sending, receiving and processing of data flows for key Settlement related events?	<p>The response should make reference to the following key events:</p> <ol style="list-style-type: none"> 1. Sending of appointment and termination notifications on a D0155, D0153 and D0151 data flow and processing of rejection data flows. 2. Sending of notification of changes to other parties on a D0148 data flow and notification of customer details on a D0302 data flow. 3. Sending of registration details to the SMRA to register a specific Metering System on a D0055 data flow and processing of rejections received on a D0057 data flow. 4. Sending of read frequency requests and Metering System Settlement Details affirmations on D0052 data flows (including D0052s sent for Unmetered Supplies) and processing of data flows received 		
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	<p>in response.</p> <ol style="list-style-type: none"> 5. Receipt and processing of Market Domain Data on D0269 and D0270 data flows. 6. Receipt of and processing of data flows from the SVAA. 7. Requests for changes to energisation status on a D0134 data flow and subsequent processing of D0139 data flows (confirmation or rejection of energisation status change) and monitoring of outstanding D0139 data flows. 8. Processing of Meter Technical Details from Meter Operator Agents on D0149, and D0150 <u>and Dxxxx</u> (non half hourly metering) and D0268 (half hourly metering) following installation of meters 9. Requests for Installation or change to a Metering System Functionality or the Removal of all Meters on D0142 data flows and processing of D0171 data flows. 10. Updates to registration details on D0205 data flows and processing of rejection flows. 11. Receipt and processing of P0068 and P0170 for HH, and P0207 for NHH, flows for Unmetered Supplies. 12. Requests for Disconnection of Supply on D0132 data flows and processing of confirmations on D0125 data flows. 		
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	<p>13. Mechanisms for the identification and follow up of missing data.</p> <p>The response to this question may cross refer to the response given in 18.1.1.1 but should include details of processes and controls in place specific to the above events.</p> <p>Further questions on data flows relating to key processes are included in questions 18.1.2 and 18.1.3 and further questions relating to exceptions handling are included in question 18.2.1.</p>		
18.1.3 How do you ensure that when a Change of Measurement Class (from NHH to HH and vice versa) is required the necessary flows are sent and received?	<p>The response should address the following:</p> <ol style="list-style-type: none"> 1. Sending of notification of MC/EAC/PC on D0289 data flows. 2. The sending of Request for Installation or Changes to Metering System Functionality or the Removal of all Meters on D0142 data flows and the processing of failures received on D0221 data flows. 3. The sending of Request for Metering System Related Details on D0170 data flows and the provision of this information on D0150, D0149, <u>Dxxxx</u> and D0268 data flows are sent and received by the relevant HHMOA and NHHMOA. 		

No other sections are impacted by CP1335 within BSCP537 Appendix 1



Attachment – CP1335 redline changes to BSCP537 Appendix 2 v2.0 – Testing Requirements

3. NHHDC Testing Requirements

Testing requirement NHHDC	Description	Additional comments
Arithmetic accuracy testing		
Metering Management	D0001 D0002 D0170 D0005 D0149 D0150 <u>Dxxxx</u>	

9. SVA NHHMOA Testing Requirements

Testing requirement SVA NHHMOA	Description	Additional comments
Metering management	D0001 D0002 D0005 D0142 D0215 D0168 D0149 D0150 D0169 D0170 <u>Dxxxx</u>	

13. Supplier Testing Requirements

Testing requirement Supplier	Description	Additional comments
Metering management	D0001	
	D0002	
	D0005	
	D0089	
	D0125	
	D0132	
	D0142	
	D0150	Non Half Hourly
	D0168	
	D0169	
	D0170	
	D0214	Half Hourly
	D0215	
	D0268	Half Hourly
	<u>Dxxxx</u>	<u>Non Half Hourly</u>

No further changes will be made to BSCP537 Appendix 2 as part of CP1335.



Attachment – CP1335 redline changes to SVA Data Catalogue Volume 1

Create new entry for the data flow index with appropriate references to BSCP504 and BSCP514:

Flow Ref	Data Flow Name	Source	From	To	Version
Dxxx	Auxiliary Meter Technical Details	BSCP504	NHHMO	NHHDC	001
			NHHMO	LDSO	001
			NHHMO	Supplier	001
		BSCP514	NHHMO	NHHMO	001
			NHHMO	NHHDC	001
			NHHMO	LDSO	001
			NHHMO	Supplier	001
		BSCP515	NHHMO	LDSO	001

Amend existing entries for D0149 and D0150 flows to better reflect the content of the BSCPs:

Flow Ref	Data Flow Name	Source	From	To	Version
D0149	Notification of Mapping Details	BSCP504	LDSO	NHHMO	001
			MOANHHMO	Supplier	001
			NHHMO	LDSO	001
		BSCP514	NHHMO	NHHDC	001
			LDSO	NHHMO	001
			NHHMO	HHMO	001
			NHHMO	LDSO	001
			NHHMO	NHHDC	001
			NHHMO	NHHMO	001

			NHHMO	Supplier	001
		BSCP515	NHHMO	LDSO	001
D0150	Non Half Hourly Meter Technical Details	BSCP504	NHHMO	Supplier	001
			NHHMO	NHHDC	001
			NHHMO	LDSO	001
			LDSO	NHHMO	001
			LDSO	NHHDC	001
			LDSO	Supplier	001
		BSCP514	LDSO	NHHMO	001
			NHHMO	HHMO	001
			NHHMO	LDSO	001
			NHHMO	NHHDC	001
			NHHMO	NHHMO	001
			NHHMO	Supplier	001
		BSCP515	NHHMO	LDSO	001

No other sections are impacted by CP1335 within the SVA Data Catalogue Volume 1.



Attachment – CP1335 redline changes to SVA Data Catalogue Volume 2

Add new data items created for the Dxxxx flow into the Data Item index in Appendix A, indicating that the definitions are contained in the DTC.

Data Item Name	Defined In
Communications Provider ID	DTC
Meter Memory Location	DTC
Meter Memory Type	DTC
Meter Register Description	DTC
Outstation Password Level 3	DTC
Outstation User Name Level 1	DTC
Outstation User Name Level 2	DTC
Outstation User Name Level 3	DTC
Remote Disable/Enable Capability	DTC
Timestamp Meter Memory Location	DTC

No other sections are impacted by CP1335 within the SVA Data Catalogue Volume 2.