MTD Drafting Notes

General approach

Definitions

A smart Metering System may be served by the DCC or, if opting out, by the Supplier's chosen data retriever. For the purpose of the BSCPs we propose to make the obligations the same, so that:

- The new 'smart' processes would apply whether the DCC is used or not;
- The MTDs to be established and transferred would be the two new 'Meter Asset Details' and 'Meter Configuration Details' flows;
- It would be up to Suppliers to advise their NHHDCs whether they are expected to retrieve data from a given Metering System

This should allow the BSCPs to refer to 'smart meters' without dwelling on whether the meter is being served by the DCC or another provider. The proposed processes would put the Supplier in charge of distributing data to other participants, and so can cater for either approach.

Interaction with DCC or other Service Providers

We expect the SEC to govern Suppliers' interaction with the DCC, and so we don't intend to replicate these requirements in the BSC. As a result, we propose that the BSCPs would establish the Supplier obligations to collect data or configure metering systems, without specifying in detail how they may send instructions to the DCC.

BSCP Processes

In the BSCPs there are many process steps that are common to both smart and legacy metering. To avoid repetition, we have attempted to split the processes at relevant points to show where the activities differ. In most cases, this approach is fairly straightforward and the results remain clear enough to be followed operationally. However there are some processes such as Change of Supplier and Change of Measurement Class where splitting doesn't seem as viable and it would probably be better to create smart-specific versions.

Note we haven't updated all the numbering of the process steps; we will do this once the material changes have been agreed.

Change principles

The key principles we have followed for the drafting are summarised as follows:

- Suppliers would be responsible for collecting smart Meter readings and passing these to the NHHDC for processing
- Suppliers would also be responsible for establishing Meter Technical Details and sending them to NHHDCs and Distributors

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- The new DXXX Meter Asset Details and DYYY Meter Configuration Details flows would be used in place of the current D0149 and D0150.

BSCP514 SVA Meter Operation

We have identified changes across different sections of this BSCP and so the drafting has been carried out on the full document.

1.1 Purpose and Scope of the Procedure

There are now two sets of Meter Technical Details, one for legacy and AMR and one for Smart. We have modified the end of Section 1.1 to make it clear which MTDs are appropriate in the case of smart meters.

1.4 Balancing and Settlement Code Provision

This section summarises the BSC provisions relating to SVA Meter Operation, and so will be modified to align with any changes made to the Code.

2.2.1 Recording of Details

Minor change made to paragraph (b) to state that an incoming MOA *may* request transfer of data from an outgoing MOA, rather than being a mandatory process. Under smart we expect Suppliers will provide details to MOAs as needed and so this transfer process may not need to be used.

2.4.1 Information to Data Collectors

New paragraph added to allow MOA to meet data transfer requirements by issuing data to the Supplier rather than the NHHDC, with reference to the detailed process descriptions elsewhere in the BSCP.

6. Interface and Timetable Information – Non Half Hourly

Changes to this section are summarised below.

Ref	Process Title	Change Summary
6.2.1	Change of NHHMOA (No change of Metering System or Supplier)	Modified to show Supplier sending MTDs to incoming NHHMOA.
6.2.2	New Connection	Modified to reference potential communications failure, and handling of new MTD flows between MOA and Supplier and Supplier and NHHDC/LDSO.
6.2.3	Change of NHHDC to an existing Metering System	Modified to reference sending of new MTD flows by Supplier.
6.2.4	Concurrent change of Supplier and NHHMOA (No Change to Metering System)	Modified to include a potential transfer of MTDs between Old and New Suppliers.
6.2.5	Change of Supplier	Modified to reference sending of new MTD flows

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		by Supplier.
6.3.3	Removal of a Metering System	Added reference to potential D0142 alternative for smart; modified to reference sending of new MTD flows by Supplier.
6.3.4	Reconfigure or Replace Metering System (No CoMC)	Made allowance for both remote and physical reconfiguration of smart meter, with provision for MTDs to be sent by MOA to Supplier. Also modified to reference sending of new MTD flows by Supplier.
6.3.5	LDSO Replaces MS (For safety reasons / Urgent Metering Services)	Modified to reference sending of new MTD flows by Supplier.
6.4.1	Investigate Inconsistencies	Minor change to reference new MTD flows.
7.1	Change of Measurement Class from NHH to HH Metering System	Basic modification of existing process to show use of new MTD flows; alternative smart-specific process is also shown which better reflects the likely practicalities of handling CoMC on a smart meter.
7.2	Coincident Change of Measurement Class from NHH to HH Metering System and Change of Supplier	As above.
7.3	Change of Measurement Class from HH to NHH Metering System	As above.
7.4	Coincident Change of Measurement Class from HH to NHH Metering System and Change of Supplier	As above.

Note on Change of Measurement Class: In each of the four CoMC sections, we have split the processes into legacy and smart sections and applied the general change principles, with the Supplier sending the DXXX and DYYY flows to agents as relevant. We recognize however that CoMC for a smart meter is less likely to involve a meter replacement, although this still remains a possibility. The basic modifications don't really show this subtlety, and so rather than attempting to split each process four ways (smart v legacy, physical replacement v remote reconfiguration), we have drafted smart-specific alternatives that are better able to set out the difference between replacement and remote reconfiguration.

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9.3 Remotely Read Non Half Hourly Meters

This section modified to explain that Smart meters should use the DXXX and DYYY MTD flows instead of the D0149/150, and that the D0313 flow is not required.

BSCP504 Non Half Hourly Data Collection

As with BSCP514, we have identified changes across different sections of this BSCP and so the drafting has been carried out on the full document.

1.1 Scope and Purpose of the Procedure

We have separated out the data retrieval and data processing activities so that, along with EAC/AA calculation, three main areas of functionality are established. This then allows for data retrieval to be 'carved out' to the DCC or other service providers in the case of smart meters, while retaining data processing and EAC/AA calculation as core NHHDC functions.

There are now two sets of Meter Technical Details, one for legacy and AMR and one for Smart. We have modified the end of Section 1.1 to make it clear which MTDs are appropriate in the case of smart meters.

1.1.1 NHHDC BSC Requirement Specifications

This section summarises the BSC provisions relating to NHH Data Collection, and so will be modified to align with any changes made to the Code.

3. Interface and Timetable Information

Changes to this section are summarised below.

Ref	Process Title	Change Summary
3.2.1	Supplier requests New Connection – Metered Supply	Minor modifications to reference sending of new MTD flows by Supplier.
3.2.3	Change of NHHDC for an existing SVA Metering System not concurrent with a Change of Supplier	Minor modifications to reference sending of new MTD flows by Supplier; removal of use of D0012 flow. A potential smart alternative is also shown, which omits transfer of read history between NHHDCs
3.2.4	Change of MOA for an existing SVA Metering System	Minor modifications to reference new MTD flows by Supplier.
3.2.6	Change of Supplier for an existing SVA Metering System	No change; recommend new smart-specific process.

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3.2.7	Change of LDSO	No change; recommend new smart-specific process.
3.3.1	Coincident CoS and NHH-HH Change of Measurement Class	Modified to show Supplier rather than MOA sending initial/final Meter readings to NHHDC.
3.3.2	Coincident CoS and HH-NHH Change of Measurement Class	Modified to show Supplier rather than MOA sending initial/final Meter readings to NHHDC.
3.3.6	Change of Standard Settlement Configuration	Modified to show Supplier rather than MOA sending initial/final Meter readings to NHHDC.
3.3.7	Reconfigure or Replace SVA Metering System – No CoMC	Modified to show Supplier rather than MOA sending initial/final Meter readings to NHHDC. Have made allowance for physical reconfiguration of smart meter to be made by MOA, with MTDs sent to Supplier for further distribution.
3.3.8.2	Withdrawal of Meter Reading following Fault Rectification – Change of SVA Metering System	Minor modifications to reference the new MTD flows.
3.4.1	NHHDC collects and sends consumption/generation data	Added a new 'instance' of a Meter reading sent by Supplier to NHHDC using the D0010 flow.

4.2 Validate Meter Data

We note that this section may be changed if we agree to alter the validation requirements of smart meter readings.

4.8 Historical Data Requirements

This section may be affected if we agree to alter/relax the requirements for transferring data between old and new NHHDCs.

4.12 Usage and Validation of the D0052

No material changes are required to the handling of the D0052 flow, but minor modifications have been made to reference use of the DYYY flow instead of the D0149, and use of a DZZZ as a potential smart alternative to the D0142.

4.20 Remotely Read Metering Systems

This section modified to explain that Smart meters should use the DXXX and DYYY MTD flows instead of the D0149/150, and that the D0313 flow is not required.

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We have only identified changes to one section of this BSCP and so the drafting is presented as an extract.

3.3 New SVA Metering System

Modified to show the DXXX and DYYY flows being sent from Supplier to LDSO; in doing so have separated out requirements for NHH (smart and legacy) and HH.

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