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| <b>Change Proposal – BSCP40/02</b>   | <p>CP No: 1395</p> <p><i>Version No: v1.0</i><br/><i>(mandatory by BSCCo)</i></p> |
| <p><b>Title</b> <i>(mandatory by originator)</i></p> <p>Distribution of Configuration Details for Smart Meters</p>   |   |
| <p><b>Description of Problem/Issue</b> <i>(mandatory by originator)</i></p> <p>Meter Technical Details (MTDs) are sets of data relating to the Metering Equipment installed at each customer premise. These data sets are currently maintained by Meter Operator Agents (MOA) and distributed to the relevant Supplier, Data Collector (DC) and Licensed Distribution Business Operator (LDSO) for each Metering System to which the MOA is appointed.</p> <p>The role of the MOA will change with the roll-out of smart metering. The MOA will continue to install and maintain Meters via site visits, when requested by the relevant Supplier. However, only Suppliers will be able to configure smart Meters remotely, for example, to set and change the Meter’s tariff registers to effect a change of Standard Settlement Configuration (SSC). They will achieve this by sending the relevant service request via the Data and Communications Company (DCC) User Gateway, which will result in the appropriate command being sent to the smart Metering System.</p> <p>It is anticipated that where remote configuration is not possible, e.g. due to a local failure of the Wide Area Network (WAN), the MOA may be instructed by the Supplier to update a configuration locally (e.g. using a handheld terminal) subject to the DCC/Smart Energy Code (SEC) security architecture.</p> <p>A mechanism is required for smart Meters to enable Suppliers to distribute configuration details for smart Meters to market participants who rely on them to process Meter Readings correctly, in particular the Non Half Hourly DC (NHHDC) and LDSO.</p> |   |
| <p><b>Proposed Solution</b> <i>(mandatory by originator)</i></p> <p>Suppliers will be responsible for maintaining accurate Smart Meter Configuration Details - consisting of register mappings and other configuration data that can be set or amended by the Supplier remotely via the DCC.</p> <p>The MOA will retain responsibility for the collation and distribution of MTDs and will continue to use the ‘Non Half-hourly Meter Technical Details’ (D0150) and ‘Notification of Mapping Details’ (D0149) for these purposes, irrespective of whether the Meter is smart or non-smart.</p> <p>Following remote configuration of a Smart Meter (on initial installation, Meter exchange or change of SSC etc), the Supplier will provide the new configuration details to the MOA. The method of transfer will be by agreement between the Supplier and the MOA – including bi-lateral (DTC) flows, internal system flows or a new standard industry flow – the Smart Metering Configuration Details flow.</p> <p><b>Exclusions</b></p> <p>Supplier requests for the MOA to install other smart metering equipment (such as a communication hub or In-Home Display) and confirmation by the MOA will be subject to bi-lateral agreement between the Supplier and the MOA. This does not preclude a separate standard industry flow(s)</p>  |   |

being developed under the MRA, if required.

### **Assumptions**

- Where a smart Meter is serviced by the DCC, it is assumed that security and communications details will remain the responsibility of the DCC and its service providers.
- Where there is a need to transfer security and communications details, it is assumed that this will be via the DCC User Gateway and that the interface definitions will form part of SEC governance. This would include the transfer of such data to and from the DCC and Smart Metering System Operators (SMSO) on 'opt-in'/'opt-out' of DCC Services (i.e. for Non Domestic, Profile Class 3 and 4 Metering Systems).

### **Key features of the proposed solution are as follows:**

1. Meter readings will be taken remotely by the Supplier on installation, change of configuration etc and provided to the NHHDC for validation. MOAs will not be required to provide any readings taken on site to the Supplier, unless required by the Supplier as a contingency or as evidence of a site visit. Suppliers will not be mandated to use readings from MOAs, where provided, except as a 'backstop'.
2. On change of MOA and NHHDC, the Supplier will notify the new agent that the Metering System has a smart Meter. The Supplier may use the Contract Reference in the 'Notification of Meter Operator or Data Collector Appointment and Terms' (D0155) or other means, as agreed.
3. The MOA's responsibility for sending the 'Notification of Meter Operator, Supplier and Metering Assets installed / removed by the MOP to the MAP' (D0303) flow to the Meter Asset Provider (MAP) will remain unchanged. (A missing instance of the D0303 flow between the new MOA and MAP on concurrent change of Supplier and NHHMOA will be added to BSCP514 6.2.4).
4. The MOA's responsibility for sending the 'Notification of Meter Information to ECOES' (D0312) flow will remain unchanged.
5. The energisation/de-energisation processes will remain unchanged. The MOA will continue to send the energisation status and associated readings to the Supplier, NHHDC and LDSO. Remotely disabled Meters are energised for Settlement purposes (and can still be read). It is not envisaged that Suppliers will need to notify other participants if a Meter is disabled as this information can be obtained from the Meter. It is expected that Suppliers will continue to take readings from remotely disabled Meters.
6. The SMETS includes multiple items that can be configured by the Supplier via the DCC User Gateway, for example pre-payment rates and thresholds, block pricing rules and thresholds for configurable alerts. Where these items are configured locally by the MOA, a mandated industry flow between the Supplier and the MOA is not proposed as part of this Change Proposal.
7. Where a Meter is configured more than once on a given day, the Supplier will endeavour to ensure that the latest version for that day is the one that is distributed to MOA for onward transmission to the NHHDC and LDSO.

### **Justification for Change** *(mandatory by originator)*

Retaining the use of the D0149/D0150 aligns closer to the agreed minimal change principal than

CP1388 ('Meter Technical Details for Smart Meters').

The extended use of the D0149/D0150 removes any possible ambiguity during the CoS processes around what set of flows a Supplier should be expecting to receive – i.e. is a Supplier and its systems waiting for the receipt of the D0149/D0150 or new Smart Device Details & Smart Meter Configuration details.

In terms of missing MTD on gain, the Supplier needs to understand which party it is expecting the MTD from.

We feel that both of the points above, if not addressed, could potentially add risk to the customer experience through CoS events, but more importantly to Settlement. It's difficult to track and escalate missing data if there is uncertainty around the nature of the data and its source.

Under proposals for the centralisation of services under the DCC in the Ofgem Smarter Markets Smart CoS workstream, it has been suggested that the DCC could become a central point for the storage and communication of MTD. If a central MTD register were to be implemented then any changes implemented here would very much be a short term solution. Cost savings are delivered by minimising the cost of implementation and amount of change and disruption to current business processes.

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

Supplier and MOA responsibilities in respect of maintaining and distributing MTDs are set out in Section S 2.2.1 and 2.7.8A, as modified under Approved Modification P292 ('Amending Supplier & Meter Operator Agent responsibilities for smart Meter Technical Details') and which is scheduled for implementation on the 26 June 2014.

**Estimated Implementation Costs** (*mandatory by BSCCo*)

The ELEXON costs to implement the proposed changes equates to £240 (1 man day effort).

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

BSCP504 - Non-Half Hourly Data Collection for SVA Metering Systems Registered in SMRS

BSCP514 - SVA Meter Operations for Metering Systems Registered in SMRS

SVA Data Catalogue Volume 1: Data Interfaces.

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

An MRA change to the Data Transfer Catalogue will be required to introduce the Smart Meter Configuration Details flow.

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

An MRA change to the Data Transfer Catalogue will be needed to introduce the Smart Meter Configuration Details flow.

Change Proposal CP1388 'Meter Technical Details for Smart Meters'.

**Requested Implementation Date** (*mandatory by originator*)

By February 2015

**Reason:**

To allow testing to take place as part of (or at the same time as) the SMIP's End-to-End Testing, ahead of the smart metering mass-rollout in late 2015.

**Version History** (*mandatory by BSCCo*)

Version 1.0 of CP1395 issued on 26 July 2013.

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**Date**.....*19 July 2013*.....

Attachments: Yes

CP1395\_BSCP504\_redlined\_v0.1

CP1395\_BSCP514\_redlined\_v0.1

CP1395\_SVA\_DC\_Vol\_1\_redlined\_v0.1

*(delete as appropriate)*