

4.3 CP Form

Change Proposal – BSCP40/02	CP No: 1469 <i>Version No: 1.0</i> <i>(mandatory by BSCCo)</i>
Title (mandatory by originator) Changes to support the implementation of the SRAG's recommendations	
Description of Problem/Issue (mandatory by originator) <p>Currently, there are no processes set out for elective Half Hourly (HH) Settlement of smart Meter data. Therefore, changes to the relevant BSCPs are needed to set out the processes required where the Supplier, rather than the Half Hourly Data Collector (HHDC), retrieves HH data.</p> <p>New processes are needed for:</p> <ol style="list-style-type: none"> 1. the exchange of HH data between the Supplier and HHDC; 2. data validation and estimation for smart Meters; 3. informing the HHDC of the Supplier's reading schedule (i.e. when to expect HH data); 4. allowing Suppliers to send cumulative register readings to the Licensed Distribution System Operator (LDSO). <p>The existing data flows for transferring HH data hold HH values to the nearest 100Wh. However, Meters that meet the requirements of the SMETS are capable of providing data to the nearest Wh, and HH data for smaller customers will need to be processed to the nearest Wh. Data flows between the Supplier and HHDC, and between the HHDC and Half Hourly Data Aggregator (HHDA), need to reflect this greater precision.</p> <p>Additionally, the Settlement Reform Advisory Group (SRAG) recommended removing the requirement for Proving Tests (a test that shows the HH data at the Meter matches that collected by the HHDC) for Metering Systems with smart Meters.</p> <p>For estimation purposes, Market Domain Data (MDD) will need to include new Default Period Profile Class Coefficients (DPPCCs) for Profile Classes 2 and 4.</p>	
Proposed Solution (mandatory by originator) <p>BSCP502, BSCP503 and BSC514 have been redlined with the proposed changes to implement the SRAG recommendations on processes for the HH Settlement of smart Meters. See Attachments 1, 2 and 3 for the draft redlined text.</p> <p>These processes will apply where:</p> <ul style="list-style-type: none"> • Meters are compliant with the Smart Metering Equipment Technical Specifications (SMETS); and • HH data is sourced by the Supplier, using the Data Communications Company (DCC) or alternative retrieval services. 	

The draft redlined changes set out the process to transfer smart Meter data from the Supplier to the HHDC and from the HHDC to the HHDA. The validation and estimation requirements are also defined for smart Meters.

Data Transfer Catalogue (DTC) changes (DTC CP 3496 'DTC changes to support the implementation of the Settlement Reform Advisory Group's (SRAG) recommendations') have been raised to create optional new flows for the transfer of elective HH data. The changes allow the Supplier to send either validated or non-validated HH Meter data to its appointed HHDC. A new 'Supplier Validated Flag' will be created for this purpose. These data flows will be variants of the D0275 'Validated Half Hourly Advances' and the D0036 'Validated Half Hourly Advances for inclusion in Aggregated Supplier Matrix'. The two new flows will hold HH data (in kWh) to three decimal places, such that data is processed to the same precision as recorded by SMETS Meters. Use of the new flows will be optional. Only HHDCs and HHDA's appointed by Suppliers offering elective HH Settlement need to support the new flows.

A further DTC change will allow the Supplier to send a cumulative register read to the LDSO using the D0010 'Meter Readings' data flow. The LDSO needs Metering System Identifier (MSID) level consumption data as they will only receive aggregated HH consumption data from Settlement processes.

A new value will be added to the valid set for 'Retrieval Method' in the D0155 'Notification of Meter Operator or Data Collector Appointment and Terms'. The Supplier will use this to notify the HHDC that HH data will be sourced by the Supplier. The existing 'Regular Reading Cycle' data item will inform the HHDC of the frequency with which it will receive the HH data.

The requirements for Proving Tests for smart Meters will be removed from BSCP502 and BSCP514.

There is a new requirement to hold DPPCCs for Profile Classes 2 and 4 in MDD. These will be used as a backstop for estimating initial consumption data or for estimation where data is missing or invalid. These new DPPCCs will be used to estimate data for MSIDs in Profile Classes 2 and 4, as notified by the Supplier to the HHDC on the D0289 'Notification of MC/EAC/PC' data flow. This would occur when customers were formerly in Profile Classes 2 or 4 and have moved to elective HH Settlement or for new registrations of customers with similar characteristics. This will cause a small increase in the size of the D0269/D0270 MDD data flows. New DPPCCs will be entered in MDD with an effective date of the 1 April 2017. This will be subject to a separate MDD Change Request.

Justification for Change (mandatory by originator)

The SRAG discussed and recommended these changes. The full SRAG discussions and recommendations can be found in the [SRAG BSC Panel Report](#).

The proposed changes are required to remove barriers to the elective HH Settlement of data from smart Meters. Both Ofgem and the department formerly known as the Department of Energy and Climate Change (DECC) are keen to remove these barriers by early 2017.

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

BSC Section 5 paragraph 2.3 Data Collection. This CP facilitates the current provisions of the Code. The proposed changes reduce the requirements on HHDCs in respect of principle functions set out in Section 2.3.1 (e.g. to perform Meter Advance Reconciliations) for a subset of Metering Systems (smart Meters) but those principal functions remain valid for non-smart metering. Hence, this CP does not add any additional requirements or obligations to the role of the HHDC Agents.

Estimated Implementation Costs (mandatory by BSCCo)

£240 (one ELEXON man day) to implement the necessary document changes.

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

BSCP502 ‘Half Hourly Data Collection for SVA Metering Systems Registered in SMRS’
BSCP503 ‘Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS’
BSCP514 ‘SVA Meter Operations for Metering Systems Registered in SMRS’

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

None

Related Changes and/or Projects (mandatory by BSCCo)

Master Registration Agreement (MRA) DTC changes are required to support the implementation of the SRAG’s recommendations (due to be raised shortly).

BSC - CP1466 Removing SMETS compliant Meters from the scope of BSCP601

MDD - Change Request (CR) to introduce DPPCCs for Profile Classes 2 and 4

Ofgem - HH Settlement project

DTC CP 3496 ‘DTC changes to support the implementation of the Settlement Reform Advisory Group’s (SRAG) recommendations’

Note that the two new optional data flows proposed by DTC CP 3496 will hold HH data to the precision originally proposed for the D0036 and D0275 data flows in the following CPs (these CPs will be superseded):

BSC CP1464 ‘Requiring HH consumption data to be processed to appropriate precision’

DTC CP 3492 ‘Increasing the precision of data items relating to Half-Hourly (HH) Advances’

Requested Implementation Date (mandatory by originator)

29 June 2017, as part of the June 2017 BSC Systems Release.

Reason:

CP1469 is targeted for implementation in the June 2017 Release to meet the expectations of Ofgem on the progression of these changes for elective HH Settlement, to align with the implementation of corresponding DTC changes and to align with the proposed new Change of Measurement Class Process for elective HH smart Meters.

Version History (mandatory by BSCCo)

Version 1.0 was raised by ELEXON on 19 July 2016.

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Attachments: **Yes** (Attachment 1: 30 pages, Attachment 2: 4 pages , Attachment 3: 48 pages)