4.3   CP Form

Change Proposal – BSCP40/02	CP No: 1536
	Version No: 1.0 *(mandatory by BSCCo)*

Title (mandatory by originator)

Use of DTC data flow D0379 for submission of unmetered Half Hourly data

Description of Problem/Issue (mandatory by originator)

Summary

BSCP520 'Unmetered Supplies Registered in SMRS' permits the use of 'Electronic or other agreed method' for the sending of unmetered Half Hourly (HH) data from Meter Administrators (MAs) to Half Hourly Data Collectors (HHDCs) via the Data Transfer Catalogue (DTC) D0003 data flow 'Half Hourly Advances'. However, MAs are not currently able to send D0003 flows across the Data Transfer Network (DTN) to send unmetered HH data, as 'MA' is not specified as a 'Data Transfer Participant' in Annex A of the DTC.

As a result, MAs currently send the unmetered HH data to HHDC via email. In practice, this means there are numerous attachments to the emails, some of which may be missed by the HHDC, resulting in important information being lost. Therefore the use of email for the exchange of this data does not provide a robust audit trail nor is it the most efficient method for the exchange of unmetered HH data between MAs to HHDCs.

Background

The existing requirement in BSCP520 to used 'Electronic or other agreed method' for the sending of unmetered HH data from MAs to HHDC can give rise to the following issues:

- The current practice of sending and receiving daily emails containing numerous attachments can result in information being lost, resulting in errors in both Settlement data and customer bills;

- The introduction of Market-wide Half Hourly Settlement (MHHS) would mean the number of unmetered Metering System Identifier (MSID) trading on a HH basis is expected to increase during the transition period where data is still provided to the HHDC via the MA role. The anticipated increase, in time for MHHS, would be from c.350 to c.15,000 MSIDs. The current data exchange method of solely using email to submit the data would not be sufficiently robust for such a large volume of data; and

- MAs and HHDCs are required under BSCP520 to maintain a full audit trail of all information sent/received. However, the current practice of sending daily emails containing of numerous attachments means this is a significant resource requirement to maintain during the transition period for MHHS. In addition, if email attachments are missed by the HHDC, the audit trail will be incomplete.

Proposed Solution (mandatory by originator)

Summary

The proposed CP1536 solution will amend BSCP520 to allow MAs to send unmetered HH data across the DTN using the existing DTC data flow D0379 – Half Hourly Advances UTC.

Further Details

The D0379 dataflow is designed for sending elective HH consumption values from smart Meters. Allowing the option to use the D0379 to send the unmetered HH data from the MA to the HHDC, in addition to the option of using email, offers the least change as it will not place any new obligations on the MAs to use the new method to send data, unless it wants to, nor does it amend the substance of the data being sent. It is also consistent with the proposals emerging from the Ofgem Market-wide Half Hourly settlement Significant Code Review (SCR) for the transition period where data is still provided to the HHDC via the MA role.

The UMSUG considered using the D0003 and D0380 'Half Hourly Advances for Inclusion in Aggregated Supplier Matrix' data flows for the sending of the information, which is currently sent as an email attachment, from the MA to the HHDC. But both were ultimately deemed unsuitable. There are complexities associated with using the D0003, as it is based on the Meter Serial Number, which is not recognised under UMS. The use of the D0380 was discounted as it's not consistent with the time standard used by the current dataflow sent from the MA to HHDC. Using the D0379 will allow MAs to send unmetered HH data by MSID in UTC time format.

The proposed solution would improve the audit trail for unmetered HH data by mitigating the risk that data may be lost by attachments to emails being missed.

Justification for Change (mandatory by originator)

By allowing the use of a DTC dataflow for the transfer of unmetered HH data between the MA and HHDC, this CP seeks to improve the robustness of the existing data transfer process and, as such, improve the accuracy of UMS. Therefore, sending the data over DTN will:

- Reduce data errors which could occur where a HHDC might not process all the file attachments emailed by a MA. This failure would results in Settlement data errors and customer billing errors;

- Facilitate the exchange of unmetered HH data for the expected increase in numbers of unmetered HH MSIDs. Due to a significant increase in the past ten years, HH customers now account for 70% of the unmetered energy volume. The introduction of MHHS would mean the number of unmetered MSIDs trading on a HH basis, during the transition period, is expected to increase from c.350 to c.15,000 MSIDs, which will require a more resilient data exchange than the current method of email to the HHDC;

- Improve robustness: the DTN is a proven reliable and robust communications method;

- Provide stakeholders with a DTN view of the audit trail of flows sent/received;

- Enable automatic flow distribution and processing of files by the Meter Administrator and HHDC;

- As the existing data format only supports HH data to one decimal place the energy values for some smaller customers would always be rounded to zero. The data granularity of the energy value in the D0379 is to three decimal places which mean smaller UMS supplies can be processed accurately, which aligns with the Design Working Group requirements for MHHS.

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

This CP facilitates the provisions of BSC Section S 'Supplier Volume Allocation'.

Estimated Implementation Costs (mandatory by BSCCo)

The central implementation cost for ELEXON to make the required documentation changes will be approximately £240.

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

BSCP520 'Unmetered Supplies Registered in SMRS'.

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

ELEXON has raised this CP and DTC CP3578 'Use of DTC data flow for submission of unmetered half hourly data by the Meter Administrator to the Half Hourly Data Collector' following the recommendation from the Unmetered Supplies User Group (UMSUG) (UMSUG125/02D). DTC CP3578 will be considered initially by the MRASCo Development Board (MDB) on 30 July 2020.

Related Changes and/or BSC Releases (mandatory by BSCCo)

This change will assist the transition to MHHS for all unmetered customers as envisaged by the proposals being developed by the Ofgem initiated SCR.

Requested Implementation Date (mandatory by originator)

25 February 2021 as part of the scheduled February 2021 BSC Release.

Reason: The proposed Implementation Date for this CP is 25 February 2021 as part of the scheduled February 2021 BSC Release. This will allow this CP and DTC CP3578 to be implemented on the same date to deliver an end-to-end solution for Market Participants.

Version History (mandatory by BSCCo)

This is the first version of this CP.

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