

CP Progression Paper

CP1536 'Use of DTC data flow D0379 for submission of unmetered Half Hourly data'

ELEXON



Committee

Supplier Volume Allocation Group (SVG)



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About This Document

This document provides information on new Change Proposal (CP) CP1536 and outlines our proposed progression timetable for this change, including when it will be issued for CP Consultation in the next suitable Change Proposal Circular (CPC) batch.

We are presenting this paper to capture any comments or questions from the Supplier Volume Allocation Group (SVG) Members on this CP before we issue it for consultation.

There are three parts to this document:

- This is the main document. It provides a summary of the solution, impacts, anticipated costs, and proposed implementation approach, as well as our proposed progression approach for this CP.
- Attachment A contains the CP Proposal Form.
- Attachment B contains the proposed redlined changes to deliver the CP solution.

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4 August 2020

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1 Summary?

Why change?

[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.

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.

Solution

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](#). The reference to the use of the D0003 for sending this information will also be removed. Allowing the option to use the D0379 to send the 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.

The proposed solution under the DTC CP is to grant MAs access to send flows over the DTN and will add 'MA' as a Data Transfer Participant and to amend the sender/recipients of the D0379.

Impacts and costs

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

HHDCs will be impacted by this CP, as they will need to change their systems to receive and process unmetered HH data sent from the MAs across the DTN in the D0379.

MAs wishing to use the D0379 for the transfer of unmetered HH data will need to amend their systems and processes accordingly.



What are Data Transfer Catalogue flows?

DTC flows are sent between Market Participants over the Data Transfer Network. The DTC accommodates the inter-operational exchange of information enabling effective interface between industry participants

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Implementation

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.

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2 Why Change?

What is the issue?

[BSCP520 'Unmetered Supplies Registered in SMRS'](#) permits the use of 'Electronic or other agreed method' for the sending of unmetered HH data from MAs to HHDCs via the D0003 DTC data flow. However, this 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 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.

ELEXON has raised a corresponding DTC Change Proposal (DTC CP3578) to add 'MA' as a Data Transfer Participant and to introduce a new instance of the D0379 from MA to HHDC. No changes to the format or structure of the D0379 flow are proposed under DTC CP3578.



What is Market-wide Half Hourly Settlement?

MHHS is part of Ofgem's electricity settlement reform programme and seeks to introduce arrangements that ensure the benefits of smart meters can be delivered to enable a smart, flexible, energy system.



What is the MRA?

The MRA is an Agreement that sets out the rules for the electricity Supplier registration process for the GB Market. It sets out the terms for the provision of Metering Point Administration Services (MPAS Registrations), and procedures for Change of Supplier for premise/metering point.

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Proposed solution

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 the [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. 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.

Housekeeping changes

We have included a number of housekeeping change to BSCP520 as part of this CP. Details can be found in the draft redlined BSCP520 found in Attachment B.

Proposer's rationale

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 the accuracy of UMS by facilitating the sharing of more granular data. 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. These failures would result 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 during the transition period 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.

Proposed redlining

Attachment B contains the proposed changes to [BSCP520 'Unmetered Supplies Registered in SMRS'](#) to deliver this CP.

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4 Impacts and Costs

BSC Party & Party Agent impacts and costs

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	Impact
MA and HHDC	HHDC will be impacted as they will need to change their systems to be able to receive and process unmetered HH data sent from MA across the DTN in the D0379 format. MA wishing to use the D0379 for the transfer of unmetered HH data will be required to amend their systems and processes accordingly.

Central impacts and costs

Central impacts

CP1536 will require changes to BSCP520. No BSC System changes are required for this CP.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none">BSCP520	<ul style="list-style-type: none">None

Impact on Core Industry Documents.

ELEXON has raised a corresponding DTC Change Proposal (DTC CP3578) to add 'MA' as a Data Transfer Participant and to introduce a new instance of the D0379 from MA to HHDC. No changes to the format or structure of the D0379 flow are proposed under the DTC CP3578.

Central costs

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

5 Implementation Approach

This CP is targeted for implementation on **25 February 2021** as part of the scheduled February 2021 BSC Release. This will align this CP to the MRA change Implementation Date to deliver an end-to-end solution for market participants.

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6 Proposed Progression

ELEXON will present this CP Progression Paper to the SVG for information on 4 August 2020. The CP will then be issued for consultation on 10 August, as part of the August CPC batch with responses due on 7 September 2020. This will allow industry consultation for CP1536 and DTC CP3578 to overlap for four weeks. Following CP Consultation, we will present the CP Assessment Report to the SVG for Approval on 6 October 2020.

DTC CP3578 will be considered initially by the MRASCo Development Board (MDB) on 31 July 2020. If agreed by MDB it will be issued for a six week industry consultation on Monday 3 August. Following this it will be presented to the MDB for a decision on 24 September.

Progression timetable

The table below outlines the proposed progression plan for CP1536:

Progression Timetable	
Event	Date
CP Progression Paper presented to SVG for information	4 August 2020
CP Consultation	10 August 2020 – 7 September 2020
CP Assessment Report presented to SVG for decision	6 October 2020
Proposed Implementation Date	25 February 2021 (as part of the scheduled February 2021 BSC Release)

CP Consultation questions

We propose to ask the standard CP Consultation questions for CP1536.

Standard CP Consultation Questions
Do you agree with the CP1536 proposed solution?
Do you agree that the draft redlining delivers the CP1536 proposed solution?
Will CP1536 impact your organisation?
Will your organisation incur any costs in implementing CP1536?
Do you agree with the proposed implementation approach for CP1536?

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7 Recommendations

We invite you to:

- **NOTE** that CP1536 has been raised;
- **NOTE** the proposed progression timetable for CP1536; and
- **PROVIDE** any comments or additional questions for inclusion in the CP Consultation.

Appendix 1: Glossary & References

Acronyms

Acronyms used in this document are listed in the table below.

Acronyms	
Acronym	Definition
BSCP	Balancing and Settlement Code Procedure
CP	Change Proposal
CPC	Change Proposal Circular
CT	Current Transformer
DTC	Data Transfer Catalogue
DTN	Data Transfer Network
DWG	Design Working Group
HH	Half Hourly
HHDC	Half Hourly Data Collector
MA	Meter Administrators
MHHS	Market-wide Half Hourly Settlement
MRA	Master Registration Agreement
MSID	Metering System Identifier
MTD	Meter Technical Detail
SCR	Significant Code Review
SVA	Supplier Volume Allocation
SVG	Supplier Volume Allocation Group
TOM	Target Operating Model
UMSDS	Unmetered Supplies Data Service

DTC data flows and data items

DTC data flows and data items referenced in this document are listed in the table below.

DTC Data Flows and Data Items	
Number	Name
DTC003	Half Hourly Advances
DTC0379	Half Hourly Advances UTC
DTC0380	Half Hourly Advances for Inclusion in Aggregated Supplier Matrix

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External links

A summary of all hyperlinks used in this document are listed in the table below.

All external documents and URL links listed are correct as of the date of this document.

External Links		
Page (s)	Description	URL
2,3,5	ELEXON webpage for BSCP520 'Unmetered Supplies Registered in SMRS'	https://www.elexon.co.uk/csd/bscp520-unmetered-supplies-registered-in-smrs/
2	Webpage for D0379 – Half Hourly Advances UTC	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0379&FlowVers=1&searchMockFlows=False
2	Mrasco webpage for Annex A of the DTC.	https://dtc.mrasco.com/release/dtc%2012.1/Worddocs/Annex%20A.doc
3	Ofgem's webpage for Market-wide Half Hourly Settlement	https://www.ofgem.gov.uk/electricity/retail-market/market-review-and-reform/smarter-markets-programme/electricity-settlement-reform
4	Ofgem's webpage for the Significant Code Review (SCR)	https://www.ofgem.gov.uk/electricity/retail-market/market-review-and-reform/smarter-markets-programme/electricity-settlement-reform