

CP Progression Paper

CP1522 'Updates to BSCP520 to align with working practices and UMSUG recommendations'

ELEXON



Committee

Supplier Volume Allocation Group



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About This Document

This document provides information on new Change Proposal (CP) CP1522 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 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 CP1522 proposal form.
- Attachment B contains the proposed redlined changes to deliver the CP1522 solution.

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1 Why Change?

Background

What are Unmetered Supplies under the BSC?

All electricity transfers at points of connection, and supply, via circuits connected to the Distribution Network are metered. The exception to this rule is in a limited number of defined circumstances set out in the [Electricity \(Unmetered Supply\) Regulations 2001 \(Statutory Instrument 2001/3263\)](#). These exceptions, known as Unmetered Supplies (UMS), are at the discretion and approval of the Unmetered Supplies Operator (UMSO) of the relevant Licensed Distribution System Operator (LDSO).

An UMS means a supply of electricity to a particular inventory of equipment in respect of which a LDSO has issued an Unmetered Supply Certificate. For example, this equipment could be any electrical equipment that draws a current and is connected to the Distribution Network without a meter, e.g. street lights, traffic signs, zebra crossings, etc.

The Balancing and Settlement Code (BSC) and [BSC Procedure \(BSCP\) 520 'Unmetered Supplies Registered in SMRS'](#) set out how the energy used by UMS equipment is calculated and applied in Settlement.

Unmetered Supplies Operator (UMSO)

The UMSO is a qualified Market Role which provides services for the LDSO, commonly known as the Distribution Business or Network Operator. The UMSO is responsible for looking after all of the UMS on its network. The UMSO makes new connections and decides what equipment is suitable for treatment as an UMS. The UMSO provides a summarised inventory to the Meter Administrator (MA) for Half Hourly (HH) traded UMS or calculates an Estimated Annual Consumption (EAC) for Non HH traded UMS.

Unmetered Supplies User Group (UMSUG)

The UMSUG is an expert group reporting to the SVG, advising it on the UMS arrangements under the BSC. Its work includes reviewing Charge Code applications, advising on changes to the relevant BSC subsidiary documents (e.g. to BSCP520), the resolution of issues and new developments relating to UMS. The UMSUG is chaired by ELEXON and meets on an ad-hoc basis driven by the SVG and business need.

Meter Point Administration Number (MPAN)

Each point of entry and exit onto a Distribution System Operator's Distribution System has an associated Metering Point, and each Metering Point has a Metering System Identifier (MSID, also known as a Metering Administration Number (MPAN)).

MPAN is the term used in the Master Registration Agreement (MRA), while the BSC uses the term MSID. However, as the two terms describe the same entity, they can be used interchangeably.

For each UMS inventory that identifies UMS assets that are traded Non-Half Hourly (NHH) there are up to four types of MSIDs depending on how the assets function (e.g. continuous, dusk to dawn or other). Under the MRA definition they are defined as 'Related MPANS'.



Licensed Distribution System Operator (LDSO)

LDSOs are licensed by Ofgem to distribute electricity from the Transmission Network operated by National Grid through a network of wires to customer's premises.



Supplier Meter Registration Service (SMRS)

The SMRS is the service provided or to be provided by a LDSO for the registration of Metering Systems at Boundary Point(s) on its Distribution System(s) and its Associated Distribution System(s) (if any), in accordance with the Master Registration Agreement.

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Ofgem's Faster Switching programme

The programme's objective, is to improve consumers' experience of switching, leading to greater engagement in the retail energy market, by designing and implementing a new switching process that is reliable, fast and cost-effective.



Meter Timeswitch Class/Code (MTC)

The Meter Timeswitch Code (Data Item J0220) is described in the Data Transfer Catalogue (DTC) as a "unique identifier of an indication of the charging regimes that a meter at a metering point will support and an indication of the switching behaviour of the meter through time for the register of meter consumption"

What is the issue?

The Unmetered Supplies User Group (UMSUG) has identified a number of issues with [BSC Procedure \(BSCP\) 520 'Unmetered Supplies Registered in SMRS'](#), that if addressed would remove redundant obligations, clarify responsibilities and align the BSC's Unmetered Supplies arrangements to current practices and a recent MRA change. These are:

1) The requirement for Meter Administrators to calculate reactive power is redundant

BSCP520 places an obligation on Meter Administrators to determine the reactive power used by unmetered equipment. The requirement is not designed to facilitate the BSC, but was originally intended to support the LDSOs in fulfilling non-BSC arrangements: calculation of Distribution Use of System (DUoS) charges. However, the output of this calculation is no longer used by the industry and is therefore redundant. This is therefore placing an unnecessary obligation on Meter Administrators.

2) The split of responsibilities for Unmetered Supplies between the Licensed Distribution System Operator (LDSO) and the Unmetered Supplies Operator (UMSO) are not clear

Currently requirements in BSCP520 are not always clear whether an action should be performed by an LDSO or UMSO. In addition, the interaction between the LDSO and the UMSO, to enable Unmetered Supplies to be managed, is not clearly documented in BSCP520. For example, UMSO establish connection agreements between LDSOs and customers in the allocation of Metering Point Administration Numbers (MPANs) for Unmetered Supplies. This is because BSCP501 requires LDSOs to allocate MPANs and notify the Supplier Meter Registration Service (SMRS) of the MPANs raised for new supplies and in the case of Unmetered Supplies, the LDSO is responsible for notifying the UMSO of the MPANs raised. However, in BSCP520 the requirement to request MPANs from the SMRS is on UMSO. As such it is not clear in BSCP520 when the USMO is acting on behalf of the LDSO.

3) BSCP520 does not reflect the June 2019 updates to the Master Registration Agreement (MRA) Related Meters Meter Asset Provision (MAP)

Related Meters have been used since 1998 to relate up to four MPANs for a single customer inventory. Previously, this required the MPANs to be identified using a range of Meter Timeswitch Class/Code (MTC) for non-related and Related MPANs. This identification was intended to ensure that if one of the MPANs in the related group changes supplier, then all the related MPANs should transfer together.

BSCP520 is not in line with a recent MRA change resulting from the [Ofgem led Faster Switching programme](#). Currently under BSCP520, when UMS connections are established the LDSO provides an UMS certificate to the customer and their supplier, including a list of related MPANs.

The Ofgem led Faster Switching programme has initiated a series of changes to the MRA. One of these was [DTC CP 3550](#), which was implemented in June 2019. DTC CP 3550 created a new data field in the Meter Point Administration Service (MPAS) which is updated by the Related MPAN Indicator 1 (J2245) on the D0386 'Manage Metering Point Relationships' to determine whether an MPAN is in a Related MPAN relationship. As such, this change provided Suppliers with a new Data Flow - D0386 to update MPANs with Related Metering Points for the purposes of Switching. In the future when a request for

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change of supplier is processed, the Related MPAN Indicator will be used to enforce the change of supplier of all MPANs which are linked.

This obligation on Suppliers to create and amend relationships between MPANs and send D0386 'Manage Metering Point Relationships' when a UMS certificate contains related MPANs is currently not reflected in BSCP520.

Proposed solution

The following changes are proposed to BSCP520. The redlined changes for this CP are in Attachment B.

1) Reactive power calculation

- Remove the requirements upon the Meter Administrator to calculate reactive power.

2) Changes for LDSO/UMSO role split

- Amend section 1.1.1 to clarify that the UMSO is acting on behalf of the LDSO in establishing a Connection Agreement; as the parties to a Connection Agreement are the Customer and the LDSO.
- Amend section 1.2: to add LDSOs as a user of BSCP520 and a split of responsibilities between the LDSO and the UMSO.
- Amend section 3.1 to add a new inventory to show the UMSO requests new MPANs from the LDSO and the LDSO notifying SMRS; with the new MPAN being sent to the UMSO by the LDSO rather than the SMRS.
- Amend 3.8: to show that the disconnection of an MPAN should be controlled by the UMSO who will be best placed to identify whether an MPAN is no longer required. Physical disconnection of items connected to the network may be carried out by the LDSO, but unless all items in an inventory are disconnected the MPAN will still be required. However, in the event that an MPAN is no longer required it is the LDSO that notifies the SMRS of the disconnection.
- Amend 4.5.4: to show that the Consumption Adjustments following LDSO Inventory the UMSO agrees the inventory on behalf of the LDSO and makes any consumption adjustments following an inventory audit.

3) Reflect the June 2019 updates to the MRA

Update BSCP520 to reflect the changes to the MRA Agreed Procedure for Managing NHH Related Metering Points, which includes the following requirements on UMSOs and Suppliers under the BSC:

- Obligate Suppliers to create and amend relationships between MPANs using the D0386 'Manage Metering Point Relationships' when a UMS certificate contains related MPANs.
- Obligate Supplier to assign a Related Metering Point MTC to each of the Related Metering Points and update SMRS. This is where the UMSO notifies the Supplier that a number of Metering Points are now classified as Related Metering Points.
- Obligate Suppliers to assign a non-Related Metering Point MTC to each of the previously Related Metering Points and update SMRS. This is where the UMSO notifies the Supplier that a number of Metering Points that were previously classified, as Related Metering Points are now no longer classified as Related Metering Points.

Proposer's rationale

These changes will support, clarify and remove potential inefficiencies in the BSC's UMS arrangements.

At its meeting on 28 August 2019, the UMSUG recommended that ELEXON raises this CP (see UMSUG paper [1226/02](#) and [126/03](#)).

Proposed redlining

Attachment B contains the proposed redlining to BSCP520 'Unmetered Supplies Registered in SMRS'.

3 Impacts and Costs

Central impacts and costs

Central impacts

CP1522 will require changes to BSCP520. No BSC System changes are required for this CP and there will be no impacts on BSC Agents.

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

Central costs

The central implementation costs for CP1522 will be approximately £240 (one ELEXON working day of effort) to make the required document change.

BSC Party & Party Agent impacts and costs

ELEXON will seek to clarify any BSC Party and Party Agent impacts through the CP Consultation process.

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	Impact
UMSO	Small impact - We expect changes to local working practices
LDSO	No impact anticipated – responsibilities are not changing, but are being clarified and explicitly detailed.
Supplier	Low impact anticipated – Although CP1522 will obligate Supplier to send the new D0386 flow, until CP1522 is approved and implemented Supplier can use the existing procedure to update MPANs with Related Metering Points and use MTC 502-505 to identify and ensure related MPANs are switched together. This CP will therefore require Suppliers to use the new D0386 and update internal processes accordingly. Any Supplier which have not amended its systems to send/receive the D0386 will also be required to update its systems.
SMRA	Low impact anticipated – Where not already implanted for DTC CP3550, will be required to send/receive the new D0386.
MA	Small impact resulting in reduced obligations - Remove requirement to calculate Reactive Power.

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4 Implementation Approach

CP1522 is targeted for implementation on **25 June 2020** as part of the June 2020 BSC Release. This is the next available release.

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5 Proposed Progression

Progression timetable

The table below outlines the proposed progression plan for CP1522:

Progression Timetable	
Event	Date
CP Progression Paper presented to SVG for information	05 November 19
CP Consultation	11 November 19 – 06 December 19
CP Assessment Report presented to SVG for decision	07 January 20
Proposed Implementation Date	25 June 2020 (June 2020 Release)

CP Consultation questions

We intend to ask the standard CP Consultation questions for CP1522. We do not believe any additional questions need to be asked for this CP.

Standard CP Consultation Questions
Do you agree with the CP1522 proposed solution?
Do you agree that the draft redlining delivers the CP1522 proposed solution?
Will CP1522 impact your organisation?
Will your organisation incur any costs in implementing CP1522?
Do you agree with the proposed implementation approach for CP1522?

6 Recommendations

We invite you to:

- **NOTE** that CP1522 has been raised;
- **NOTE** the proposed progression timetable for CP1522; 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
BSC	Balancing and Settlement Code
CP	Change Proposal
EAC	Estimated Annual Consumption
HH	Half Hourly
MA	Meter Administrator
MPAN	Meter Point Administration Number
MRA	Master Registration Agreement
MTC	Meter Timeswitch Class/Code
LDSO	Licensed Distribution Supply Operator
SMRS	Supplier Meter Registration Service
SVG	Supplier Volume Allocation Group
UMS	Unmetered Supply(ies)
UMSO	Unmetered Supplies Operator
UMSUG	Unmetered Supplies User Group

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
D0386	Manage Metering Point Relationships
J2245	Related MPAN Indicator

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	The Electricity (Unmetered Supply) Regulations 2001	http://www.legislation.gov.uk/ukxi/2001/3263/contents/mad

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External Links		
Page(s)	Description	URL
2	PDF link to ELEXON Webpage on BSCP520	https://www.elexon.co.uk/bsc-and-codes/bsc-related-documents/bscps/
4	Ofgem's webpage on the Faster Switching programme	https://www.ofgem.gov.uk/gas/retail-market/market-review-and-reform/smarter-markets-programme/switching-programme
5	ELEXON Webpage for UMSUG meeting 126	https://www.elexon.co.uk/meeting/umsug-126/

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