

CP1546 'Introducing Data Transfer Catalogue flows to transfer UMS files'



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About This Document

The purpose of this CP1546 CP Consultation is to invite BSC Parties, Party Agents and other interested parties to provide their views on the impacts and the merits of CP1546. The SVG will then consider the consultation responses before making a decision on whether or not to approve CP1546.

There are seven parts to this document:

- This is the main document. It provides details of the solution, impacts, costs, and proposed implementation approach. It also summarises the SVG's initial views on the proposed changes.
- Attachment A contains the CP proposal form.
- Attachments B-E contain the proposed redlined changes to deliver the CP1546 solution.
- Attachment F contains the specific questions on which we seek your views. Please use this form to provide your response to these questions, and to record any further views or comments you wish to be considered.

Contact

Andrew Grace

020 7380 4304

BSC.change@elexon.co.uk

andrew.grace@elexon.co.uk



1 Summary

Why change?

Unmetered Supplies Operators (UMSO) are currently unable to use automated processes to send Unmetered Supplies (UMS) inventory data to Meter Administrators (MA). With the implementation of Market-wide Half Hourly Settlement (MHHS) the volume of files to be transferred will increase significantly, this CP intends to align the HH process with NHH.

Solution

The proposed solution would introduce two new dataflows to be sent over the Data Transfer Service (DTS). The two dataflows would be a combined Summary Inventory and Central Management System (CMS) Control File, sent from the UMSO to MA, and a UMS Response which would be sent from the MA to the UMSO to confirm successful processing or rejection.

Impacts and costs

UMSOs and MAs will be required to update their systems to process the new messages as per the updated [BSCP520](#) 'Unmetered Supplies Registered in Supplier Meter Registration Service (SMRS)'.

The central costs to Elexon are expected to be less than £1000.

Implementation

This change is recommended for implementation 24 February 2022 as part of the February 2022 BSC Release.



What is the issue?

UMS inventories contain the details of UMS apparatus connected to the distribution network. This data is passed from the customer to the UMSO. The UMSO summarises this data and passes it to the MA.

BSCP520 requires the passing of Summary Inventories and Central Management System (CMS) Control Files by electronic, or by other agreed method. This process does not support efficient automation through the use of a data flow.

There is currently no method for automated communication of these files for existing Half Hourly Metering System Identifiers (MSIDs), and email is often used to transmit the files, this CP intends to align the HH process with NHH.

Background

The numbers of UMS Half Hourly MSIDs has increased in recent years, including more recently as a result of the [March 2020 Panel meeting 300](#) decision in respect in over 100kW unmetered supplies, where the BSC Panel agreed that Suppliers and UMSOs identify all the over 100kW unmetered supplies and put in place an action plan to migrate those supplies to half hourly settlement with a backstop of April 2021, including a robust strategy for communicating with customers.

The number of updated Summary Inventories and CMS Control Files has increased for all UMS customers as they upgrade and improve the efficiency of the unmetered equipment. Averaging at 10-11 updates per MSID per year, with several hundred Half Hourly MSIDs, and nearly 30,000 Non Half Hourly (NHH) MSIDs per year.

The transition to MHHS arrangements will further lead to increased number of MSIDs trading HH, with initial estimates suggesting this will increase by over 50% This change is intended to future proof the passing of Inventory data from the UMSO to the MA (Unmetered Supplies Data Service (UMSDS) under MHHS).

The Unmetered Suppliers User Group ([UMSUG](#)), and a sub-group has considered this issue. At its meeting in December 2020, the UMSUG agreed to recommend to the Supplier Volume Allocation Group (SVG) that a BSC Change Proposal (CP) be raised to implement a revised approach to the interface for provision of this data. Elxon are raising the Change Proposal (CP) on behalf of UMSUG [who have reviewed the draft dataflows](#).

Proposed solution

UMSUG recommended that two new dataflows should be sent over the DTS:

- A combined Summary Inventory and Central Management System (CMS) Control File, sent from the UMSO to MA; and
- A UMS Response which would be sent from the MA to the UMSO to confirm successful processing or rejection.

Associated changes to BSCP520 will be required to support the use of the new dataflows and remove redundant text.

This change will also reinstate the footnote to the bottom of section 3.11.4 which had previously been deleted as a manifest error in CP1536.

Proposer's rationale

The proposer has outlined the following potential benefits that the CP is expected to bring:

- Utilise the DTS as a secure, confidential and auditable communication method;

An increasing number of large lighting authorities are using CMS equipment which requires the use of the CMS Control file. This can be from a few thousand to 150,000 rows long, which becomes a significant sized email. Whilst the information is not currently regarded as personal, using a formal industry recognised data exchange is more secure and auditable, in the event of data loss between parties.

- Automate the processing of information;

Automation of the data processing enables reduced staff involvement and more consistent data provision. It also allows for faster exchange of information allowing staff to focus on resolving exceptions rather than the routine tasks.

- Improve the consistency and accuracy of information exchanges;

The DTS enables automation of generation and receipt of data. Emails tend to require human intervention which is prone to error and omission.

- Support the future increase in numbers of Half-Hourly (HH) Meter Point Administration Numbers (MPANs);

The numbers of UMS Half hourly MPANs has increased in recent years including as a result of the [March 2020 Panel meeting 300](#) decision in respect in over 100kW unmetered supplies, where the BSC Panel agreed that Suppliers and UMSOs identify all the over 100kW unmetered supplies and put in place an action plan to migrate those supplies to half hourly settlement with a backstop of April 2021, including a robust strategy for communicating with customers.

The number of updated Summary Inventories and CMS Control Files has increased for all UMS customers as they upgrade and improve the efficiency of the unmetered equipment. Averaging at 10-11 updates per MSID per year, with several hundred HH MSIDs, and nearly 30,000 NHH MSIDs per year.

The transition to Market-wide Half Hourly Settlement (MHHS) arrangements (if progressed) will lead to increased number of MSIDs trading HH. This change is intended to future proof the passing of Inventory data from the UMSO to the MA (future Unmetered Supplies Data Service (UMSDS)).

- Provide a positive acknowledgment that the inventory has been processed or rejected, with reasons;

The larger UMSOs are using systems which are already able to send/receive flows for the Non-Half Hourly (NHH) market across the DTS, modifying the system to send/receive for the HH market is a natural extension. An automated response flow will be able to highlight reasons for rejection.

Governance

As the Master Registration Agreement (MRA) is transitioning into the Retail Energy Code (REC) the drafting of the dataflows will be consulted on through the BSC consultation for this CP, with approval coming after 1 September 2021 (post REC go-live). As the BSC CP will be approved after 1 September 2021, Genserv will be able to use the BSC approval (subject of course to the CP being approved) as the mandate to implement the dataflows by the approved BSC CP Implementation Date.

CP Consultation Question

Do you agree with the CP1546 proposed solution?

Please provide your rationale.

We invite you to give your views using the response form in Attachment F

Proposed redlining

Please see Attachments B-E for the proposed redlining.

CP Consultation Question

Do you agree that the draft redlining delivers the CP1546 proposed solution?

If 'No', please provide your rationale.

We invite you to give your views using the response form in Attachment F

4 Impacts and Costs

BSC Party & Party Agent impacts and costs

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	Impact
Unmetered Supplies Operators	Costs and resources associated with system changes required to automate file transfer.
Meter Administrators	Costs and resources associated with system changes required to automate file transfer.

Central impacts and costs

Central impacts

This change will require changes to the process and definitions set out in BSCP520, and will require a DTC change to be implemented under REC governance.

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

Central costs

The central implementation costs for the CP will be less than £1000.

CP Consultation Questions

Will CP1546 impact your organisation?

If 'Yes', please provide a description of the impact(s) on your organisation and any activities which you will need to undertake between the approval of CP1546 and the CP1546 Implementation Date (including any necessary changes to your systems, documents and processes). Where applicable, please state which of the roles that you operate as will be impacted and any differences in the impacts between each role.

Will your organisation incur any costs in implementing CP1546?

If 'Yes', please provide details of these costs, how they arise and whether they are one-off or on-going costs.

We invite you to give your views using the response form in Attachment F

5 Implementation Approach

Recommended Implementation Date

CP1546 is recommended for implementation 24 February 2022 as part of the February 2022 BSC Release, in order to give Parties time to implement associated required system changes.

CP Consultation Question

Do you agree with the proposed implementation approach for CP1546?

Please provide your rationale.

We invite you to give your views using the response form in Attachment F

6 Initial Committee Views

SVG's initial views

The SVG considered CP1546 at its [meeting on 6 July 2021](#).

An SVG member questioned the wording of the Progression Paper and that dataflows are not mandatory, Elexon agreed with this and have removed the wording from the Consultation document, the redlining in BSCP520 does not differentiate the solution to any other dataflows that are required to be sent or received within the BSC.

Appendix 1: Glossary & References

Acronyms

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

Acronyms	
Acronym	Definition
CMS	Central Management Service
CP	Change Proposal
CPC	Change Proposal Consultation
DTS	Data Transfer Service
MA	Meter Administrators
MHHS	Market-wide Half Hourly Settlement
MPAN	Meter Point Administration Numbers
MSIDs	Metering System Identifiers
NHH	Non-Half Hourly
REC	Retail Energy Code
SMRS	Supplier Meter Registration Service
SVG	Supplier Volume Allocation Group
UMS	Unmetered Supplies
UMSO	Unmetered Supplies Operator
UMSUG	Unmetered Supplier User Group
USDS	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
D0new	UMS Inventory
D1new	UMS Response
Jnew	Charge Code

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.

CP1546
CP Consultation

12 July 2021

Version 1.0

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External Links		
Page(s)	Description	URL
2	BSCP520	https://www.elexon.co.uk/csd/bscp520-unmetered-supplies-registered-in-smrs/
3	March 2020 Panel Meeting 300	https://www.elexon.co.uk/meeting/bsc-panel-300/
3	UMSG website	https://www.elexon.co.uk/group/unmetered-supplies-user-group-umsug/
3	UMSO minutes	https://www.elexon.co.uk/documents/groups/umsug/umsug-2020/umsug130-01-new umso ma dtn flows/
7	SVG 245	https://www.elexon.co.uk/meeting/svg245/