

## CP1449 'Updates to BSCP520 and the SVA Data Catalogue following a review'

**ELEXON**



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### About This Document

This document is the CP1449 Final Change Proposal (CP) Report which ELEXON has published following the final decision from the Supplier Volume Allocation Group (SVG) to approve CP1449.

There are five 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 views on the proposed changes and the views of respondents to the CP Consultation, along with the final decision to approve this change.
- Attachments A-C contain the approved redlined changes to deliver the CP1449 solution.
- Attachment D contains the full responses received to the CP Consultation.

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CP1449

Final CP Report

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Version 1.0

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# 1 Why Change?

## Current UMS requirements

[Balancing and Settlement Code \(BSC\) Procedure \(BSCP\) 520 'Unmetered Supplies Registered in SMRS'](#) defines all the detailed BSC processes for Unmetered Supplies (UMS). This includes establishing such sites as being unmetered and the methods by which we derive their consumption data for Settlement.

## What is the issue?

After reviewing BSCP520 and speaking with Unmetered Supplies Operators (UMSOs) and the Unmetered Supplies User Group (UMSUG), we believe this document does not reflect current operational practice for certain processes. To reduce ambiguity in the Settlement arrangements and improve efficiency, we believe it is appropriate to align this document with current operational practice.

The UMSUG has reviewed these changes and recommends this CP should be progressed ([UMSUG115/02](#)).

## Removal of redundant or unnecessary data flows

Participants have identified several Supplier Volume Allocation (SVA) flows (also referred to as 'P-flows' or 'paper flows') defined in the [SVA Data Catalogue](#) that are sent under the BSCP520 arrangements. These are, in practice, sent by email between participants, allowing flexibility in the information provided. In many cases this is because the relevant information or the frequency of it being sent is considered inappropriate for a flow, and that it is more pragmatic to issue the information via a standard email exchange. However, the use of these alternative methods has led to questions being raised by the BSC Auditor when seeking the relevant data flows as part of their auditing the process. Answering these questions takes up unnecessary time and effort with Meter Administrators (MAs) and UMSOs.

## P0064 'Summary Inventory (for Half Hourly Trading)'

This flow should be used by UMSOs to pass Summary Inventory information to the relevant MA to load into its systems. The format of this flow is currently detailed within the SVA Data Catalogue. However, at least one UMSO does not use the exact format specified by the Data Catalogue, which means the MA needs to convert the file to load it. This introduces the risk of human error.

After reviewing this flow, we have identified several errors within the catalogue that need to be resolved. Noting this, and in the interests of flexibility, we consider that the most pragmatic solution is to remove the P0064 flow. We will instead, as part of this CP, detail within BSCP520 the specific file structure to be used by the UMSO when sending this data to the MA, in line with how other similar file structures are laid out. The errors identified will be resolved as part of the process of specifying the file structure.

## **P0068 'UMS EM Technical Details'**

The P0068 flow is no longer referenced in BSCP520, and is not used in any other BSCPs. The flow is therefore redundant and so, for clarity, should be removed from the SVA Data Catalogue.

## **P0173 'Confirmation of End Readings Date' and P0174 'Confirmation of Start Readings Date'**

Several participants have identified that the P0173 and P0174 flows are not generally used in practice. Instead, Suppliers will usually notify the relevant MA and Half Hourly Data Collector (HHDC) of any changes of agent and the corresponding dates through alternative methods, such as a standard email exchange. The Supplier Agents will then ensure all data is successfully exchanged for the periods of their appointments, with BSCP520 already requiring the MA to update the HHDC where information changes.

We therefore consider that these two flows should be removed, and BSCP520 enhanced to ensure the Supplier notifies the relevant Supplier Agents of each relevant date via more flexible methods of communication.

## **P0176 'Request for EM Details'**

Similarly to above, the information passed via the P0176 flow tends to be issued by standard email exchange rather than through a full flow.

Furthermore, this flow contains the 'Sub-Meter ID' data item, which must match exactly with that given in the separate Central Management System (CMS) file. This item must be consistent between the CMS, the UMSO and the MA to enable the CMS to operate successfully. As this information exchange is infrequent, it is considered by participants that this should not be contained in a flow.

We therefore consider that this flow should be removed, and BSCP520 enhanced to ensure the relevant information is supplied.

## **Housekeeping and other clarification changes**

Alongside this, we have also identified several housekeeping changes and other areas within BSCP520 that need to be clarified. We consider that these should be resolved as part of this change to improve the clarity of the document.

- There are numerous instances of inconsistent use of terminology, incorrect capitalisation or redundant acronyms that should be tidied up.
- Sections 1.2.4.4 and 1.5 need to be updated following the implementation of [P317 'Changes to the Unmetered Supplies obligations in the BSC'](#) in the June 2015 Release, to remove paragraphs that are now redundant.
- Areas for clarification were recently identified with the details of some of the revised event log files (version 2 or greater) in Section 4.6.3.3, following issues that were identified during the testing for a recent CMS. The current wording is ambiguous with regard to incremental data for street lights that were missing in the original version 1 file. In this scenario, all the events for the individual street

light need to be resent, not just incremental events. This is due to the way that Equivalent Meters (EMs) process the changes to this data.

- Clarification should be added to the 'Hash Total' field of the EM Output File in Section 4.6.4 following an issue identified in December 2014. This issue arose where an upgrade to EM software contained a sum of the data that included the decimal places in the 'Hash Total' field. This caused validation issues with a HHDC. The EM software has since been revised, and this CP seeks to remove any ambiguity from the BSCP.

### Approved solution

[CP1449 'Updates to BSCP520 and the SVA Data Catalogue following a review'](#) was raised by ELEXON on 18 September 2015.

It will remove the following five flows from the SVA Data Catalogue, as outlined below, for the reasons provided in Section 1. Instead, where applicable, the text within BSCP520 will be enhanced to specify the information that should be sent at the relevant steps – the changes to deliver this are set out in the approved changes to BSCP520 in Attachment A.

- P0064 'Summary Inventory (for Half Hourly Trading)' – referenced in BSCP520 paragraphs 3.1.12, 3.1.14, 3.2.3, 3.2.5, 3.3.19 and 3.4.4, with the replacement file structure being specified in Section 4.6.5.
- P0068 'UMS EM Technical Details' – no references in BSCP520.
- P0173 'Confirmation of End Readings Date' – referenced in BSCP520 paragraphs 3.3.1.12, 3.5.3 and 3.7.4.
- P0174 'Confirmation of Start Readings Date' – referenced in BSCP520 paragraphs 3.5.3 and 3.7.4.
- P0176 'Request for EM Details' – referenced in BSCP520 paragraph 3.1.7.

It will also make the following housekeeping and clarification changes within BSCP520:

- All references to 'SVA Metering System' will be converted to 'MSID' (Metering System Identifier) to ensure consistent terminology throughout the document;
- All defined terms that should be capitalised but are not will be corrected;
- The terms 'Change of Measurement Class' and 'Metering Equipment Technical Details' and accompanying acronyms will be removed from the glossary in Section 1.7.1 as they are no longer used within BSCP520;
- The link to the Managing Unmetered Energy Street Lighting Inventories (MUESLI) website will be updated to [www.theilp.org.uk](http://www.theilp.org.uk);
- Text will be clarified to reflect that the MA sends data to the HHDC, rather than the HHDC 'collecting' data (this is a clarification change only);
- A paragraph in each of Sections 1.2.4.4 and 1.5 have been deleted as they are no longer relevant following the implementation of P317;
- Further detail and clarity has been added in to Section 4.6.3.3 regarding the structure of the relevant flows and what needs to be submitted; and
- Clarification has been added to the 'Hash Total' field of the EM Output File in Section 4.6.4 that this is the sum *of the integer values* of the relevant readings.

### Proposer's rationale

These changes will ensure that BSCP520 and the SVA Data Catalogue fully reflect operational practice. It will also increase flexibility in the process and reduce the amount of time participants spend resolving Audit issues relating to these processes. This was

deemed by the UMSUG to be the most cost-effective and pragmatic approach to take following the review.

## **Approved redlining**

The approved redlined changes to BSCP520 and the SVA Data Catalogue to deliver CP1449 can be found in Attachments A-C.

### 3 Impacts and Costs

#### Central impacts and costs

CP1449 will require changes to BSCP520 and the SVA Data Catalogue. No system changes are required, and there will be no impact on BSC Agents.

The central implementation costs for CP1449 will be approximately £240 (one ELEXON man day) to implement the relevant document changes.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none"><li>BSCP520</li><li>SVA Data Catalogue Volume 1</li><li>SVA Data Catalogue Volume 2</li></ul>	<i>None</i>

#### BSC Party & Party Agent impacts and costs

CP1449 seeks to update BSCP520 to reflect current operational practice. The changes it is making will either relax the requirements for sending some information between participants, or will clarify existing details or correct typographical errors. As such, there will be minimal impact on participants.

Two respondents to the CP Consultation (one MA and one UMSO) noted minor process and document impacts on their organisations to implement CP1449. No respondents noted any costs associated with implementing CP1449.

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	Impact
Suppliers	No mandatory impacts anticipated to implement CP1449.
Half Hourly Data Collectors	
Meter Administrators	
Unmetered Supplies Operators	

## 4 Implementation Approach

### Approved Implementation Date

CP1449 will be implemented on **25 February 2016** as part of the February 2016 BSC Systems Release.

CP1449 is a document-only change that should not significantly impact participants. The February 2016 Release was the earliest Release in which this CP could be included.

All nine respondents to the CP Consultation agreed with this Implementation Date.

## 5 Initial Committee Views

### SVG's initial views

We presented CP1449 to the SVG for initial comment on 29 September 2015 ([SVG176/07](#)).

The SVG had no initial comments on this CP and did not request any additional questions be asked in the CP Consultation.



## 6 Industry Views

This section summarises the responses received to the CP Consultation. You can find the full responses in Attachment D.

Summary of CP1449 CP Consultation Responses				
Question	Yes	No	Neutral/ No Comment	Other
Do you agree with the CP1449 proposed solution?	9	0	0	0
Do you agree that the draft redlining delivers the intent of CP1449?	8	1	0	0
Will CP1449 impact your organisation?	2	7	0	0
Will your organisation incur any costs in implementing CP1449?	0	9	0	0
Do you agree with the proposed implementation approach for CP1449?	9	0	0	0
Do you have any further comments on CP1449?	1	8	0	0

### Comments on CP1449

All nine respondents to the CP Consultation agreed with CP1449. Respondents felt that these changes were sensible and would remove any ambiguity around the current processes without impacting the integrity of Settlement. It would also prevent these issues from occurring in future BSC Audits on the process.

### Removal of Valid Dimming Combinations from BSCP520

One respondent highlighted the inclusion of Valid (and Invalid) Dimming Combinations within BSCP520. They felt that, while this area had not been put forward under the original CP, there have been significant changes in this area since it was first incorporated into BSCP520. They believed that references to Valid Dimming Combinations should be removed from BSCP520 as the corresponding spreadsheet no longer lists Charge Codes. The respondent believed including this under CP1449 would be consistent with the CP's intent to improve clarity within BSCP520 so it better reflected current practice.

We note that the UMSUG is currently considering changes in relation to Valid Dimming Combinations. In particular, it is looking at amending the Operational Information Document (OID) to implement Generic Light Emitting Diode Charge Codes. As part of this, the [Valid Dimming Combinations Spreadsheet](#) would be renamed the 'Variable Power Switch Regime Spreadsheet'. At its meeting on 10 November 2015, the UMSUG agreed to recommend these other changes to the SVG (see [SVG178/02](#) for more details). It noted the CP1449 consultation responses and agreed that ELEXON should raise a separate CP to amend the spreadsheet references in BSCP520 as part of this other work. We agree with this approach as including this further change in CP1449 would be a material change to its scope, requiring additional consultation.

## Comments on the proposed redlining

We received comments from one CP Consultation respondent on the changes to BSCP520. These comments and our responses are summarised in the table below. The comments that we agree with have been reflected in the attached version of the BSCP520 redlined changes in Attachment A. We believe these amendments are all non-material clarification changes and so can be approved by the SVG without further consultation.

No comments were received on the SVA Data Catalogue changes, and so Attachments B and C are unchanged from the versions issued for CP Consultation.

Comments on the BSCP520 Proposed Redlining for CP1449		
Location	Comment	ELEXON's Response
Comments related to the CP1449 changes		
1.2.1(a)	Remove "of an EM"	We agree with this change, as these words do not add anything here.
1.2.4.1 fifth bullet point	Replace "subdivisions" with "Sub-Meters"	We agree that this is the correct terminology here and so should be updated.
1.2.5 first paragraph	Charge Codes missing from list of issues that Panel may request UMSUG to discuss.	We agree that this should be added for completeness.
1.7.2	Temporary Codes are no longer issued. Definition could be removed.	We agree that these codes are no longer used. While not a part of this CP, we believe it is sensible to pick this housekeeping change up as part of CP1449. One further instance of this term will also be removed from paragraph 1.3.1.
3.2.1	Correct "UMS" to "UMSO"	We agree that this correction should be made.
3.3.1.10	Needs similar words to 3.2.4 in the when column. E.g. "If items exist in the Summary Inventory and/or CMS Control File (as appropriate) for which no data on load and switching times have been defined."	We agree that the proposed wording should be included here to align with paragraph 3.2.4, as this will improve clarity.
4.5.1(a) & 4.5.1(b)	Substitute Charge Code for load description	We agree that this is the correct terminology here and so should be updated.

## Comments on the BSCP520 Proposed Redlining for CP1449

Location	Comment	ELEXON's Response
Comments relating to the Valid Dimming Combinations proposal		
1.2.1(q)	Remove reference to Valid Dimming Combination. Paragraph to read "validating all Charge Codes and Switch Regimes against the Operational Information Document (OID) and associated spreadsheets."	<p>These comments all relate to the proposal to remove references to Valid Dimming Combinations from BSCP520.</p> <p>We will raise a separate CP to cover this as explained above.</p>
1.2.5	Remove multiple references to Valid Dimming Combinations throughout	
1.7.2	Remove definitions of Valid Dimming Combinations and Invalid Dimming Combinations	
3.1.1	Remove words "and the Valid Dimming Combination spreadsheet" from the action column.	
3.1.13	Remove words "and/or Invalid Dimming Combinations" from information required column.	
3.2.4	Remove words "and/or Invalid Dimming Combinations" from action and information required columns.	
3.3.1.10	Remove words "and/or Invalid Dimming Combinations" from action and information required columns.	
3.12	Remove references to Valid Dimming Combinations throughout this section.	
4.3	Remove paragraph as no longer applicable.	

### SVG's final views

The SVG considered CP1449 at its meeting on 1 December 2015 ([SVG178/03](#)).

The SVG had no comments on CP1449. It also agreed with the proposed approach to implementing the suggestions regarding references to Valid Dimming Combinations, as outlined in Section 6. A separate CP will therefore be raised in due course.

### Final decision

The SVG has **APPROVED** CP1449 for implementation on 25 February 2016 as part of the February 2016 BSC Systems Release.

## Appendix 1: Glossary & References

### Acronyms

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

Acronyms	
Acronym	Definition
BSC	Balancing and Settlement Code ( <i>industry Code</i> )
BSCP	Balancing and Settlement Code Procedure ( <i>Code Subsidiary Document</i> )
CMS	Central Management System
CP	Change Proposal
EM	Equivalent Meter
HHDC	Half Hourly Data Collector ( <i>Party Agent</i> )
MA	Meter Administrator ( <i>Party Agent</i> )
MSID	Metering System Identifier
MUESLI	Managing Unmetered Energy Street Lighting Inventories
OID	Operational Information Document
SVA	Supplier Volume Allocation
SVG	Supplier Volume Allocation Group ( <i>Panel Committee</i> )
UMS	Unmetered Supplies
UMSO	Unmetered Supplies Operator
UMSUG	Unmetered Supplies Users Group ( <i>SVG sub-group</i> )

### 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	BSCPs page on the ELEXON website	<a href="https://www.elexon.co.uk/bsc-related-documents/related-documents/bscps/">https://www.elexon.co.uk/bsc-related-documents/related-documents/bscps/</a>
2	UMSUG115 page on the ELEXON website	<a href="https://www.elexon.co.uk/meeting/umsug-115/">https://www.elexon.co.uk/meeting/umsug-115/</a>
2	Business Definition Documents page on the ELEXON website	<a href="https://www.elexon.co.uk/bsc-related-documents/related-documents/business-definition-documents/">https://www.elexon.co.uk/bsc-related-documents/related-documents/business-definition-documents/</a>
3	P317 page on the ELEXON website	<a href="https://www.elexon.co.uk/mod-proposal/p317/">https://www.elexon.co.uk/mod-proposal/p317/</a>
5	CP1449 page on the ELEXON website	<a href="https://www.elexon.co.uk/change-proposal/cp1449/">https://www.elexon.co.uk/change-proposal/cp1449/</a>
5	MUESLI website	<a href="http://www.theilp.org.uk/">http://www.theilp.org.uk/</a>

External Links		
Page(s)	Description	URL
8	SVG176 page on the ELEXON website	<a href="https://www.elexon.co.uk/meeting/svg-176/">https://www.elexon.co.uk/meeting/svg-176/</a>
9	Charge codes and Switch Regimes page on the ELEXON website	<a href="https://www.elexon.co.uk/reference/technical-operations/unmetered-supplies/charge-codes-and-switch-regimes/">https://www.elexon.co.uk/reference/technical-operations/unmetered-supplies/charge-codes-and-switch-regimes/</a>
9, 12	SVG178 page on the ELEXON website	<a href="https://www.elexon.co.uk/meeting/svg-178/">https://www.elexon.co.uk/meeting/svg-178/</a>