

New CP Assessment



Committee

Supplier Volume Allocation
Group (SVG)

New CP Assessment for:

- CP1431
- CP1432
- CP1433
- CP1434

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About This Document

This document provides information on four new Change Proposals (CPs) and outlines our proposed progression timetable for these changes, including when they will be issued for CP Assessment in the next suitable Change Proposal Circular (CPC) batch.

We are presenting this paper to capture any comments or questions from SVG Members on these CPs before we issue them for consultation.

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1 CP1431 'Extend Site Check Exemption to Measurement Classes F and G'

Background

[Balancing and Settlement Code Procedure \(BSCP\) 502 'Half Hourly Data Collection for SVA Metering Systems registered in SMRS'](#) section 4.1.8 'Site Checks of SVA Metering System - Site Visit Report' sets out the requirements for Half Hourly Data Collectors (HHDCs) to carry out site checks of HH Metering Systems when visiting the site.

BSCP502 section 4.1.8 exempts sites that are traded in Measurement Class E from this requirement, though there is an expectation that Suppliers will arrange for the inspection of these Meters in accordance with provisions 12.14 – 12.16 of the Standard Conditions of the [Electricity Supply Licence](#).

What is the issue?

Under Approved Modification [P300 'Introduction of new Measurement Classes to support Half Hourly DCUSA Tariff Changes \(DCP179\)'](#), Measurement Class E is in effect being split into three Measurement Classes for Metering Systems that do not meet the 100kW requirements. At the time of progressing P300, changes to BSCP502 to extend the exemption to Measurement Classes F and G were not identified, and so the associated changes were not made. ELEXON has previously notified the SVG of its intention to raise a CP to address this and it was agreed at SVG168 meeting under Action 168/01 that ELEXON should raise this CP.

Proposed solution

[CP1431 'Extend Site Check Exception to Measurement Classes F and G'](#) was raised by ELEXON. It proposes to extend the exemption in BSCP502 section 4.1.8 to include Measurement Classes F and G as well as Measurement Class E. This will align the provisions of BSCP502 with the requirements being introduced under P300 to ensure efficiency of the Balancing and Settlement arrangements.

Likely impacts and costs

Central impacts and costs

This CP will impact BSCP502 only. There are no system changes required.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none"> BSCP502 	<ul style="list-style-type: none"> None

The central implementation costs for CP1431 will be approximately £240 (one ELEXON man day) to implement the necessary document changes.

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BSC Party and Party Agent impacts

There are no BSC Party or Party Agent costs or impacts anticipated.

Proposed progression

The table below outlines the proposed progression plan for CP1431, which is targeted for the November 2015 BSC Release:

Progression Timetable	
Event	Date
New CP Assessment presented to SVG for information	03 Mar 15
CP Consultation	09 Mar 15 – 02 Apr 15
CP Assessment Report presented to SVG for decision	28 Apr 15
Proposed Implementation Date	05 Nov 15 (Nov 15 Release)

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Background

The HH Default Estimated Annual Consumption (EAC) is defined in Market Domain Data (MDD) and provided to HHDCs and HH Data Aggregators (HHDA). HHDCs use the HH Default EAC in the 'last resort' estimation method (BSCP502 4.2.1 Method h). HHDA use the HH Default EAC when no data has been received from the expected HHDC for the Metering System.

The HH Default EAC is reviewed from time to time and is based on the average annual consumption across all metered HH Metering Systems, irrespective of Measurement Class.

What is the issue?

The implementation of [P272 'Mandatory Half Hourly Settlement for Profile Classes 5-8'](#) will result in an increase in the number of Metering Systems that do not meet the 100kW requirements being HH settled. Consequently, the HH Default EAC that covers all HH Metering Systems will be too high for these and will increasingly become too low for those Metering Systems that meet the 100kW requirement. ELEXON has previously notified the SVG of its intention to raise a CP to address this issue.

Proposed solution

[CP1432 'HH Default EAC by Measurement Class'](#) was raised by ELEXON. It proposes to create Measurement Class specific HH Default EACs. This would be done by adding to MDD Entity 59 a new column to indicate the Measurement Class for the HH Default EAC. As such, there would be a HH Default EAC for the HH Measurement Classes C, E, F and G (Measurement Class D is for HH Unmetered Supply and does not use the HH Default EACs; Measurement Classes A and B are Non Half Hourly (NHH) so are not relevant to HH Default EACs).

This is required to ensure that the HH Default EAC is appropriate to the type of Metering System to ensure efficiency of the Balancing and Settlement arrangements.

Likely impacts and costs

Central impacts and costs

This CP will impact [BSCP502](#), [BSCP503 'Half Hourly data Aggregation'](#), [BSCP509 Appendix 1 'MDD Entity Change Request Forms'](#) and the [SVA Data Catalogue](#). The HH Default EAC is distributed via the P0186 'HH Default EAC' flow independently of the D0269 'Market Domain Data Complete Set' and D0270 'Market Domain Data Incremental Set' data flows. Therefore, there would be no impact on the BSC Systems such as the MDD database and the Supplier Volume Allocation Agent (SVAA) system.

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Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none"> BSCP502 BSCP503 BSCP509 Appendix 1 	<ul style="list-style-type: none"> None

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none"> SVA Data Catalogue 	

The central implementation costs for CP1432 will be approximately £240 (one ELEXON man day) to implement the necessary document changes.

In conjunction with this CP, ELEXON will carry out analysis to establish initial values for the new Measurement Classes and revisit the existing value to be used for Measurement Class C. These will be presented to the SVG for decision and implemented via the MDD change process.

BSC Party and Party Agent impacts

HHDA's and HHDC's will be impacted by this change. Suppliers and Licenced Distribution Systems Operator (LDSO) aren't likely to be significantly impacted.

Participant Impacts	
Participant	Impact
LDSO	As recipient of P0186 'HH default EAC', these participants may require changes to how these are processed internally
Supplier	
HHDA	Process changes are likely, system changes may potentially be required to apply the Measurement Class specific HH default EACs, as required
HHDC	

Proposed progression

The table below outlines the proposed progression plan for CP1432, which is targeted for the November 2015 BSC Release:

Progression Timetable	
Event	Date
New CP Assessment presented to SVG for information	03 Mar 15
CP Consultation	09 Mar 15 – 02 Apr 15
CP Assessment Report presented to SVG for decision	28 Apr 15
Proposed Implementation Date	05 Nov 15 (Nov 15 Release)

3 CP1433 'Clarification of which Metering Systems are captured by the P272 requirements'



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Background

The method of allocating a Profile Class (PC) is set out in [BSCP516 'Allocation of Profile Classes and SSCs'](#). The criteria for which PC to allocate to depend upon whether:

- the Metering System Identifier (MSID) is import or export;
- the Meter usage is domestic or non-domestic;
- the Meter has 'switched load' capabilities; and
- the Maximum Demand (MD) is recorded.

The original requirements for ensuring that the MD was recorded were due to an associated tariff, which is now no longer charged. These would be required to be registered to one of PC 5-8 (the Load Factor determines which of PC 5-8 is used).

P272

Under [P272 'Mandatory Half Hourly Settlement for Profile Classes 5-8'](#), from 1 April 2016 non-domestic customers with an Advanced Meter for import fitted in accordance with the requirements of Standard Licence Condition (SLC) 12.17-12.22 of the [Electricity Supply Licence](#) are mandated to be settled on a HH basis. Therefore, these should not be registered under PCs 5 to 8 using BSCP516.

For the avoidance of doubt, once an Advanced Meter has been fitted in accordance with the SLC then that Metering System is mandated to be settled on a HH basis from 1 April 2016.

MSIDs for unmetered connections or for export metering can continue be registered against PC 8 after 1 April 2016.

What is the issue?

Many Meters installed to date are capable of recording the MD, and many of these record the MD without a requirement to do so. Therefore, it can be unclear as to which PC a Metering System should be allocated to and therefore which is captured by the P272 requirements.

The migration of PCs 5-8 Import Metering Systems is a significant undertaking by Suppliers, Supplier Agents and Distribution Businesses. To ensure that only those intended to be covered by the SLC requirements and P272 requirements are migrated, it is appropriate to clarify the requirements under BSCP516 to ensure efficiency of the Balancing and Settlement arrangements.

ELEXON has previously notified the SVG of its intention to raise a CP to address this issue.

Proposed solution

[CP1433 'Clarification of which Metering Systems are captured by the P272 requirements'](#) was raised by ELEXON. It seeks to clarify which Metering Systems are captured by the P272 requirements.

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BSCP516 will also be clarified for situations where non-domestic import customers without an Advanced Meter are registered prior to 1 April 2016 or remain in PCs 5-8 after 1 April 2016.

Likely impacts and costs

Central impacts and costs

This CP will impact BSCP516. There are no system changes required.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none"> BSCP516 	<ul style="list-style-type: none"> None

The central implementation costs for CP1433 will be approximately £240 (one ELEXON man day) to implement the necessary document changes.

BSC Party and Party Agent impacts

CP1433 may impact Suppliers, NHH Data Collectors (NHHDCs) and Supplier Meter Registration Agents (SMRAs), who may need to update training material.

Participant Impacts	
Participant	Impact
Suppliers	Training materials
NHHDCs	
SMRAs	

Proposed progression

The table below outlines the proposed progression plan for CP1433:

Progression Timetable	
Event	Date
New CP Assessment presented to SVG for information	03 Mar 15
CP Consultation	09 Mar 15 – 02 Apr 15
CP Assessment Report presented to SVG for decision	28 Apr 15
Proposed Implementation Date	05 Nov 15 (Nov 15 Release)

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4 CP1434 'Amend the three digit numeric Line Loss Factor Class Code to an alphanumeric Code'



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Background

The Line Loss Factor Class Id (LLFC) is a three digit numeric code (INT (3)) and is part of an electricity customer's MSID, which is also known as a Meter Point Administration Number (MPAN) (but is not part of the 13-digit core MPAN), and which is traded in Settlement.

The LLFC code has 999 codes (excluding using "000") available for the LDSO to identify the relevant Distribution Use of System (DUoS) charges applicable to each customer type (low voltage, high voltage and site-specific extra-high voltage (EHV)). Rapidly increasing EHV generation customers means the number of LLFCs available has been quickly reducing.

What is the issue?

Scottish and Southern Energy Power Distribution (SSEPD) operates embedded networks in other LDSO areas and LLFCs are used to identify its charges in each GSP Group (these generally mirrors the host LDSO charges). It operates in all LDSO areas and 999 LLFCs is insufficient to cover all combinations of network connections across all voltage levels (over 2,200 LLFCs required) and limits growth. Other LDSOs may also face similar issues as they can also operate in all LDSO areas, at all voltage levels, as would independent Distribution Systems Operators, also known as independent distribution network operators (IDNOs).

Many industry participants are currently developing a broad range of low carbon and smart grid innovations including the Smart metering roll out which will potentially require significantly more LLFCs to identify additional charging and payment tariffs. The introduction of Third Party Access to unlicensed (private) distribution networks to offer customers competitive supply requires LDSOs to facilitate provision of MSIDs and unique LLFCs to ring fence such networks for market trading.

The current limitation of available LLFCs therefore needs to be resolved. The risk of not resolving the LLFC issue means a temporary workaround solution will be needed until an enduring solution is in place. This will impose additional billing and administration costs on BSC Parties. If an enduring solution is not achieved, LDSOs may have to seek long term workaround solutions, which will impose higher costs, and inefficiencies as well increase business risks. The probability of exceeding the 999 LLFCs in the near future is high with SSEPD likely to be the first.

ELEXON has previously notified the SVG of SSEPDs intention to raise a CP to address this issue.

Proposed solution

[CP1434 'Amend the three digit numeric Line Loss Factor Class \(LLFC\) Id to an alphanumeric LLFC Id'](#) has been raised by SSEPD. It proposes to change the 3 digit numeric (INT (3)) LLFC code to alphanumeric (CHAR (3)), excluding the use of 'O' and 'I'. This will increase the LLFCs from 999 to 39304. It is intended that all LDSOs will retain the current LLFCs in use until the limit is reached and then perhaps start with A00.

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Proposer's views

This solution is considered by the Proposer to be the most cost effective solution. It believes that minimal changes are required to BSC Systems and BSC Parties' billing and IT systems. Preliminary discussions with a number of Parties suggest the solution is feasible.

The Proposer believes that it is necessary to remove the current limit of 999 LLFCs to allow all market participants to trade in the electricity market without restriction. The electricity supply, generation and distribution markets are rapidly developing to facilitate greater innovation and competition, increasing access to new entrants. Distributors operating in multiple GSP Groups should be able to offer a range of tariffs for networks connected at all voltage levels.

If an LDSO connected at every possible voltage level combination the number of LLFCs required to identify the applicable DUoS tariff would exceed the current limit of 999. If the growth in EHV generation customers continues, as expected, LDSOs will reach their LLFCs limit in the near future. SSEPD has advised that it currently has 160 LLFCs available. The limit on LLFCs has also prevented SSEPD potentially developing embedded networks at other voltage levels.

The Proposer asserts that LDSOs over the years have rationalised their LLFCs to the extent they can.

The Proposer notes that increasing the number of LLFCs available would promote competition in supply and distribution. The rollout of smart metering, smart grid and other innovative products will require significantly more LLFCs. Further, it anticipates that with increasing awareness of the availability of competitive supply choice in private networks, LDSOs will require additional LLFCs.

Likely impacts and costs

Central impacts and costs

CP1434 will require updates to [BSCP509 Appendix 1](#) and [BSCP509 Appendix 2: MDD Change Request Entity Validation](#) to implement the proposed solution. In addition, changes to the SVAA, MDD, NHHDA and the 'Pool Application' of PARMS will also be required for this CP.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none">• BSCP509 Appendix 1• BSCP509 Appendix 2	<ul style="list-style-type: none">• SVAA system• MDD system• NHHDA• 'Pool Application' of Performance Assurance Reporting and Monitoring System (PARMS)

The central implementation costs for CP1434 will be approximately £200,000, which include changes to the MDD, SVAA, NHHDA systems and 'Pool Application' of PARMS, ELEXON's internal systems and for ELEXON to implement the relevant document changes.

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Changes will be required to the Data Transfer Catalogue (DTC) to amend the J0147 'Line Loss Factor Class Id' data item.

BSC Party and Party Agent impacts

CP1434 is expected to impact BSC Parties, in particular Suppliers and LDSOs. However, it is difficult to ascertain the level of impact at this stage as it will affect these BSC Parties in different ways. It is envisaged that changes will include amendments to LDSOs' and Suppliers' billing systems to facilitate changes to the MPAN (but not core MPAN 13-digit).

Suppliers Agents are also likely to be impacted, requiring system changes.

Participant Impacts	
Participant	Impact
Suppliers	System changes will be required to implement the solution.
LDSOs	
DA	
DC	
MOA	

Proposed progression

The table below outlines the proposed progression plan for CP1434, which is targeted for 1 April 2016 as a Standalone Release to tie in with DUoS charging and contract rounds:

Progression Timetable	
Event	Date
New CP Assessment presented to SVG for information	03 Mar 15
CP Consultation	09 Mar 15 – 02 Apr 15
CP Assessment Report presented to SVG for decision	28 Apr 15
Proposed Implementation Date	01 Apr 16 (Standalone Release)

5 Recommendations

We invite you to:

- **NOTE** that four new CPs have been raised;
- **NOTE** the proposed progression timetable for these CPs; and
- **PROVIDE** any comments before we issue these CPs for 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
BSCP	Balancing and Settlement Code Procedure
CP	Change Proposal
CPC	CP Consultation
DA	Data Aggregator
DC	Data Collector
DTC	Data Transfer Catalogue
DUoS	Distribution Use of System
EAC	Estimated Annual Consumption
EHV	extra-high voltage
HH	Half Hourly
HHDA	Half Hourly Data Aggregator
HHDC	Half Hourly Data Collector
HHMOA	Half Hourly Meter Operator Agent
IDNO	independent Distribution Systems Operator/ independent distribution network operator
LDSO	Licensed Distribution Systems Operator
LLFC	Line Loss Factor Class
MD	Maximum Demand
MDD	Market Domain Data
MOA	Meter Operator Agent
MPAN	Meter Point Administration Number
MRA	Master Registration Agreement
MSID	Metering System ID
NHH	Non Half Hourly
NHHDA	Non Half Hourly Data Aggregator
NHHDC	Non Half Hourly Data Collector
NHHMOA	Non Half Hourly Meter Operator Agent
PARMS	Performance Assurance Reporting and Monitoring System
PC	Profile Class
SLC	Standard Licence Condition
SMRA	Supplier Meter Registration Agent

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Acronyms	
Acronym	Definition
SSEPD	Scottish and Southern Energy Power Distribution
STC	System Operator Transmission Owner Code
SVA	Supplier Volume Allocation
SVAA	Supplier Volume Allocation Agent
SVG	Supplier Volume Allocation 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
D0030	Non Half Hourly DUoS Report
D0269	Market Domain Data Complete Set
D0270	Market Domain Data Incremental Set
J0147	Line Loss Factor Class Id
P0186	HH Default EAC

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, 6	Electricity Supply Licence Standard Conditions	https://www.ofgem.gov.uk/licences-codes-and-standards/licences/licence-conditions
2	P300 page on the ELEXON website	https://www.elexon.co.uk/mod-proposal/p300/
4	P272 page on the ELEXON website	https://www.elexon.co.uk/mod-proposal/p272/
2	CP1431 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1431/
4	CP1432 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1432/
6	CP1433 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1433/
8	CP1434 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1434/

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External Links

Page(s)	Description	URL
2, 4, 6, 9	BSCPs page on the ELEXON website	https://www.elexon.co.uk/bsc-related-documents/related-documents/bscps/
4	SVA Data Catalogue page on the ELEXON website	https://www.elexon.co.uk/bsc-related-documents/related-documents/business-definition-documents/

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