

CP Progression Paper

CP1476 'Facilitation of Incremental LLFs'

ELEXON



Committee

Imbalance Settlement
Group/Supplier Volume
Allocation Group



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About This Document

This document provides information on new Change Proposal (CP) CP1476 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 Imbalance Settlement Group (ISG) and 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 CP1476 proposal form.
- Attachment B contains the proposed redlined changes to deliver the CP1476 solution.

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Current process for Line Loss Factors

The [Balancing and Settlement Code Procedure \(BSCP\) 128 'Production, Submission, Audit and Approval of Line Loss Factors'](#) requires all Licensed Distribution System Operators (LDSOs) to submit Line Loss Factor (LLF) data through the [D0265 'Line Loss Factor Data File'](#) data flow. This flow is received by Half Hourly Data Aggregators (HHDAs), Suppliers and the Supplier Volume Allocation Agent (SVAA). It contains a value for every Settlement Period for every Settlement Day (17,520 values) per LLF Class (LLFC).

The BSCP128 also requires a full data refresh for any change, known as a mid-year submission, to the LLF data submitted. This procedure follows the same protocols as the annual submission set out in BSCP128. A mid-year submission may be required for:

- the creation of a new LLF;
- an amendment to an existing LLF; and
- the deletion of an existing LLF.

What is the issue?

The D0265 can hold large volumes of Settlement Period data for potentially thousands of LLFCs, which can equate to millions of rows of information. This means that, if an LDSO requires an additional LLFC the entire data set must be re-submitted in order for the submission to be Code compliant. ELEXON must then review and audit the entire mid-year submission data set, including new and existing submissions. This process is in place to ensure data clarity for new and existing records which can potentially change due to human error. This procedure can be time consuming and inefficient due to its precarious nature and the high level of scrutiny involved.

What are Line Loss Factors?

LLFs are multipliers that are used to scale energy consumed or generated in order to account for losses on the Distribution Networks within the United Kingdom. These LLFs are used in the Supplier Volume Allocation (SVA) LLF. For more information please visit the [LLFs page on our website](#).

Proposed solution

ELEXON raised [CP1476 'Facilitation of Incremental LLFs'](#) on 27 October 2016. It proposes to amend BSCP128 Appendix 7 to allow LDSOs the option to submit incremental changes to their Line Loss Factor data set. LDSOs will still have the option to submit full data sets if they do not have the measures in place to submit incremental files.

Proposer's rationale

The volume of information contained within a D0265 is large and hard to manipulate. ELEXON does not possess the tools to manipulate the millions of rows of data contained within the D0265. If an error occurs, ELEXON relies on the LDSO to make the changes, which can be difficult to complete within the required timescales. When an LDSO submits a mid-year submission the entire file is required (as per BSCP128). Compiling and reviewing the submission can be laborious and time consuming due to the sheer quantity of data held within the files. The process involves loading the D0265, which can take from three to five hours, then validating the output against the calculation documents and methodology. In total the process can take up to two working days for a full review process. ELEXON is required to fully validate and audit each LLF submission(s), even if the submission(s) only includes a single amendment.

Updating BSCP128 Appendix 7 to include incremental LLFs will drastically reduce the time and effort required to create, load, validate and upload the D0265 file.

Proposed redlining

Attachment A contains the proposed changes to BSCP128 Appendix 7 to deliver CP1476.

3 Impacts and Costs

Central impacts and costs

CP1476 will require changes to BSCP128 Appendix 7. No system changes are required and there will be no impact on BSC Agents.

As BSCP128 Appendix 7 is jointly owned by the ISG and SVG, we are presenting it to both committees for their initial comments.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none">BSCP128 Appendix 7	<i>None</i>

Central costs

The central implementation costs for CP1476 will be approximately £240 (one ELEXON man day) to implement the relevant document changes¹.

BSC Party & Party Agent impacts and costs

CP1476 is expected to impact LDSOs and ELEXON only. LDSOs will gain the option to submit a partial file for mid-year submission. We believe that minor process changes will be required to implement the solution; however it will not require any additional resource from ELEXON.

No other BSC Parties or Party Agents are expected to be impacted but we seek confirmation of this through this CP Consultation.

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	Impact
Distributors	Changes will be required to implement the solution
ELEXON	

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¹ It should be noted that ELEXON already has the ability to process incremental LLFs.

4 Implementation Approach

Recommended Implementation Date

CP1476 is proposed for implementation on **29 June 2017 as part of the June 2017 BSC Systems Release.**

The June 2017 Release is the next available Release that can include this CP.

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5 Proposed Progression

Progression timetable

The table below outlines the proposed progression plan for CP1476:

Progression Timetable	
Event	Date
CP Progression Paper presented to ISG for information	22 Nov 16
CP Progression Paper presented to SVG for information	06 Dec 16
CP Consultation	12 Dec 16 – 6 Jan 17
CP Assessment Report presented to ISG for decision	24 Jan 17
CP Assessment Report presented to SVG for decision	31 Jan 17
Proposed Implementation Date	29 Jun 17 (June 17 Release)

CP Consultation questions

We intend to ask the standard CP Consultation questions for CP1476. We do not believe any additional questions need to be asked for this CP.

Standard CP Consultation Questions
Do you agree with the CP1476 proposed solution?
Do you agree that the draft redlining delivers the CP1476 proposed solution?
Will CP1476 impact your organisation?
Will your organisation incur any costs in implementing CP1476?
Do you agree with the proposed implementation approach for CP1476?

6 Recommendations

We invite you to:

- **NOTE** that CP1476 has been raised;
- **NOTE** the proposed progression timetable for CP1476;
- **PROVIDE** any comments or additional questions for inclusion in the CP Consultation; and
- **NOTE** that CP1476 will be presented to the SVG at its meeting on 6 December 2016.

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
HHDA	Hourly Data Aggregator
ISG	Imbalance Settlement Group
LDSOs	Licensed Distribution System Operators
LLFC	LLF Class
LLFs	Line Loss Factors
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
D0265	Line Loss Factor Data File

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	BSCP page on the ELEXON website	https://www.elexon.co.uk/bsc-related-documents/related-documents/bscps/
2	D0265 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0265&FlowVers=1&searchMockFlows=False
2	LLFs page on the ELEXON website	https://www.elexon.co.uk/glossary/line-loss-factor/
3	CP1476 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/facilitation-incremental-llfs/

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