

## CP1461 'Amending BSCP128 to reflect a new simple SVA file format for LDSO LLF submissions'



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**Contact****Jemma Williams**

020 7380 4359

[Jemma.Williams@elexon.co.uk](mailto:Jemma.Williams@elexon.co.uk)

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### About This Document

The purpose of this CP1461 CP Consultation is to invite BSC Parties, Party Agents and other interested parties to provide their views on the impacts and the merits of CP1461. The Imbalance Settlement Group (ISG) and the Supplier Volume Allocation Group (SVG) will then consider the consultation responses before making a decision on whether or not to approve CP1461.

There are four 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 ISG and the SVG's initial views on the proposed changes.
- Attachments A and B contain the proposed redlined changes to deliver the CP1461 solution.
- Attachment C 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.



## How do Embedded DSOs submit mirrored LLFs?

Distribution System Operators (DSOs) are required to submit Line Loss Factors (LLFs) each year in accordance with Balancing and Settlement Code Procedure ([BSCP](#)) 128 'Production, Submission, Audit and Approval of Line Loss Factors'. These LLFs are submitted by the DSO to ELEXON in a [D0265 'Line Loss Factor Data File'](#) data flow, and received by Half Hourly Data Aggregators (HHDA), Suppliers and the Supplier Volume Allocation Agent (SVAA). This flow contains a value for every Settlement Period for every Settlement Day (17,520 values) per LLF Class (LLFC).

Embedded DSOs (those DSOs that operate an independent distribution network connected to a Host DSO's networks rather than the Transmission System) can choose to 'mirror' LLF values submitted by the relevant Host DSO. Where an Embedded DSO intends to mirror the relevant Host DSO's LLFs, it must create a D0265 data flow by repeating the data the Host DSO has already sent to ELEXON. To generate this D0265 data file, Embedded DSOs either require their own systems or they manually copy and paste the data. This process creates additional burden and introduces the potential for errors.

Since 2010 ELEXON has operated an application that can create D0265 data flows for mirrored LLF values on behalf of Embedded DSOs. This allows Embedded DSOs that mirror the Host DSO's LLFs to submit an .xls format Excel file (referred to as a Supplier Volume Allocation (SVA) Short Format file) to ELEXON, detailing how its LLFCs map to the Host DSOs' LLFCs. ELEXON then uses this file to produce the corresponding D0265 data flow. This process reduces the complexity in the process and reduces the risk that non-compliances arise due to errors in the Embedded DSO manually copying the data. This application has operated successfully since 2010 but is not formally recognised in BSCP128 or any other Code Subsidiary Document.

## What is the issue?

The simple file format approach developed by ELEXON has operated successfully since 2010, and is used by all embedded DSOs that mirror their host DSOs LLFs. To ensure transparency, we believe it should be formalised within BSCP128 so that the documentation reflects the current operational processes.

### What is a SVA Line Loss Factor?

SVA LLFs are used in aggregation by the HHDA for Half Hourly Metering Systems and the SVAA for Non Half Hourly Metering Systems. These values are applied in order to account for losses on the Distribution System. SVA Metering Systems are banded together into LLFCs and all Metering Systems in a particular LLFC will have the same LLF value.

For further information, please see the [Losses](#) page of our website.

### Proposed solution

[CP1461 'Amending BSCP128 to reflect a new simple SVA file format for LDSO LLF submissions'](#) was raised by ELEXON on 7 April 2016. It proposes to amend BSCP128 to include the new file generation process developed by ELEXON. This will formalise the current operational process available to Embedded DSOs, should they wish to continue to use this approach in the future.

Embedded DSOs that mirror would continue to have two options for submitting their SVA LLFs:

1. They can generate their own D0265 data files; or
2. They can submit an SVA Short Format Excel file to ELEXON and have ELEXON create and submit the D0265 data file on their behalf.

### Proposer's rationale

Currently the BSCP128 does not reflect the operational process. Updating the documentation will ensure transparency.

#### CP Consultation Question

Do you agree with the CP1461 proposed solution?

*Please provide your rationale.*

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

### Proposed redlining

Attachments A and B contain the proposed changes to BSCP128 and BSCP128 Appendix 7 to deliver CP1461.

#### CP Consultation Question

Do you agree that the draft redlining delivers the CP1461 proposed solution?

*If 'No', please provide your rationale.*

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

### 3 Impacts and Costs

#### Central impacts and costs

CP1461 will require changes to BSCP128 and [BSCP128 Appendix 7 'SVA Format data file \(D0265\)'](#). No system changes are required to implement this CP and there will be no impact on BSC Agents.

The central implementation costs for CP1461 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>• BSCP128</li><li>• BSCP128 Appendix 7</li></ul>	<i>None</i>

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

CP1461 is not expected to impact DSOs or Embedded DSOs, as the change will formalise the existing operational process. We seek confirmation of this through this CP Consultation.

No other BSC Parties or Party Agents are expected to be impacted.

CP Consultation Questions
Will CP1461 impact your organisation? <i>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 CP1461 and the CP1461 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.</i>
Will your organisation incur any costs in implementing CP1461? <i>If 'Yes', please provide details of these costs, how they arise and whether they are one-off or on-going costs.</i>
We invite you to give your views using the response form in Attachment C

## 4 Implementation Approach

### Recommended Implementation Date

CP1461 is proposed for implementation on **3 November 2016** as part of the November 2016 BSC Systems Release.

The November 2016 Release is the next available Release that can include this CP.

#### CP Consultation Question

Do you agree with the proposed implementation approach for CP1461?

*Please provide your rationale.*

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

### ISG's initial views

The ISG considered CP1461 at its meeting on 24 May 2016 ([ISG181/05](#)).

An ISG Member asked about the volume of applications that ELEXON receives for DSO LLF SVA file format submissions. Another Member noted that there are 14 Host DSOs, along with seven Embedded DSOs that have to mimic the data. The Member noted that, based on correspondence, DSOs support the changes proposed by CP1461.

An ISG Member questioned ELEXON's process in the event of an error in the mirroring process. We informed the ISG that errors are identified during the audit and system validation processes before mirroring takes place.

An ISG Member questioned whether ELEXON charges for the mirroring service. We confirmed that there is no direct fee for the service. Further, following Cp1461, the process would become a formal method under the BSC.

The ISG did not request any additional questions be asked in the CP Consultation.

### SVG's initial views

The SVG considered CP1461 at its meeting on 31 May 2016 ([SVG184/03](#)).

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

## 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 ( <i>Code Subsidiary Document</i> )
CP	Change Proposal
CPC	Change Proposal Circular
DSO	Distribution System Operator ( <i>BSC Party</i> )
HHDA	Half Hourly Data Aggregator ( <i>Party Agent</i> )
ISG	Imbalance Settlement Group ( <i>Panel Committee</i> )
LLF	Line Loss Factor ( <i>value</i> )
LLFC	Line Loss Factor Class
SVA	Supplier Volume Allocation
SVAA	Supplier Volume Allocation Agent ( <i>BSC Agent</i> )
SVG	Supplier Volume Allocation Group ( <i>Panel Committee</i> )

### 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, 4	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	D0265 entry in the Data Transfer Catalogue	<a href="https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0265&amp;FlowVers=1&amp;searchMockFlows=False">https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0265&amp;FlowVers=1&amp;searchMockFlows=False</a>
2	CP1461 page on the ELEXON website	<a href="https://www.elexon.co.uk/change-proposal/cp1461/">https://www.elexon.co.uk/change-proposal/cp1461/</a>
2	Losses page on the ELEXON website	<a href="https://www.elexon.co.uk/reference/technical-operations/losses/">https://www.elexon.co.uk/reference/technical-operations/losses/</a>

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External Links		
Page(s)	Description	URL
6	ISG181 page on the ELEXON website	<a href="https://www.elexon.co.uk/meeting/isg-181/">https://www.elexon.co.uk/meeting/isg-181/</a>
6	SVG184 page on the ELEXON website	<a href="https://www.elexon.co.uk/meeting/svg-184/">https://www.elexon.co.uk/meeting/svg-184/</a>