

CP1450 'Security Requirements for CoP10 Metering Equipment'



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About This Document

The purpose of this Change Proposal (CP) Consultation for CP1450 is to invite BSC Parties, Party Agents and other interested parties to provide their views on the impacts and the merits of CP1450. The Supplier Volume Allocation Group (SVG) will then consider the consultation responses before making a decision on whether or not to approve CP1450.

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 initial views on the proposed changes.
- Attachment A contains the CP1450 Proposal Form.
- Attachments B and C contain the proposed redlined changes to deliver the CP1450 solution.
- Attachment D 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.

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1 Why Change?

What is the SMETS?

The Department of Energy and Climate Change (DECC)'s Smart Metering Implementation Programme (SMIP) has defined requirements for Smart Metering arrangements, which impact existing electricity and gas codes. These requirements are known as the Smart Metering Equipment Technical Specification (SMETS).

In general, Meters that comply with version 2 of the SMETS (SMETS2) will also comply with the main requirements of [Code of Practice \(CoP\) 10 'Metering of Energy via Low Voltage Circuits for Settlement Purposes'](#).

What is the issue?

SMETS2 Meters will not meet the exact 'Security Regime Requirements' in Section 5.6 of CoP10, which requires the use of three levels of password to control access. Instead, the Smart Key Infrastructure (SMKI) used for SMETS2 Meters will provide a higher level of security. Therefore, by exceeding the security requirements in CoP10, a SMETS2 Meter would be compliant with CoP10. CoP10 would therefore benefit from an explicit statement to this effect.

Subject to meeting the additional CoP10 requirements set out in our ['BSC Codes of Practice and Smart Meters'](#) guidance note, SMETS Meters can be used for Half Hourly (HH) Settlement. We presented this guidance note to the SVG on 30 June 2015 for review ([SVG173/04](#)). The SVG agreed that, by exceeding the security requirements in CoP10, a SMETS2 Meter would be compliant with CoP10. The SVG asked us to raise a CP to include an explicit statement to this effect in CoP10.

Proposed solution

[CP1450 'Security Requirements for CoP10 Metering Equipment'](#) was raised by ELEXON on 18 September 2015. It proposes to amend CoP10 Section 5.6 to state that Metering Equipment shall either:

- comply with the SMETS, and therefore the security requirements; or
- allow for at least the levels of access currently defined.

In addition, a cross-reference to the BSC definition of SMETS will be added to CoP10 Section 2 'References'.

Proposer's rationale

We believe that the proposed change will remove a barrier to elective HH Settlement for domestic and small non-domestic Metering Systems. It will ensure that Meters that comply with the SMETS will also meet the CoP10 security requirements.

CP Consultation Question

Do you agree with the CP1450 proposed solution?

Please provide your rationale.

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

Proposed redlining

Attachments B and C contain the proposed changes to CoP10 and [BSCP601 'Metering Protocol Approval and Compliance Testing'](#) to deliver CP1450.

CP Consultation Question

Do you agree that the draft redlining delivers the CP1450 proposed solution?

If 'No', please provide your rationale.

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

3 Impacts and Costs

Central impacts and costs

CP1450 will require changes to CoP10 and BSCP601. No system changes are required and there will be no impact on BSC Agents.

The central implementation costs for CP1450 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">CoP10BSCP601	<i>None</i>

BSC Party & Party Agent impacts and costs

CP1450 is expected to impact Suppliers and HH Meter Operator Agents (MOAs). We believe that minor process changes will be required to implement the solution but we seek confirmation of this through this CP Consultation.

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

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	Impact
Suppliers	Changes will be required to implement the solution.
HHMOAs	

CP Consultation Questions

Will CP1450 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 CP1450 and the CP1450 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 CP1450?

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 D

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4 Implementation Approach

Recommended Implementation Date

CP1450 is proposed for implementation on **25 February 2016** as part of the February 2016 BSC Systems Release.

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

CP Consultation Question

Do you agree with the proposed implementation approach for CP1450?

Please provide your rationale.

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

5 Initial Committee Views

SVG's initial views

The SVG considered CP1450 at its meeting on 29 September 2015 ([SVG176/08](#)).

An SVG Member was supportive of the change, commenting that the change is a removal of one of the barriers to elective HH Settlement.

The SVG did not ask for any additional questions to be added to the CP 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 (<i>industry Code</i>)
BSCP	Balancing and Settlement Code Procedure (<i>Code Subsidiary Document</i>)
CoP	Code of Practice (<i>Code Subsidiary Document</i>)
CP	Change Proposal
CPC	Change Proposal Circular
HH	Half Hourly
MOA	Meter Operator Agent (<i>Party Agent</i>)
SMETS	Smart Metering Equipment Technical Specifications
SMKI	Smart Metering Key Infrastructure
SVG	Supplier Volume Allocation Group (<i>Panel Committee</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	Codes of Practice page on the ELEXON website	https://www.elexon.co.uk/bsc-related-documents/related-documents/codes-of-practice/
2	Metering page on the ELEXON website	https://www.elexon.co.uk/reference/technical-operations/metering/
2	SVG173 page on the ELEXON website	https://www.elexon.co.uk/meeting/svg-173/
3	CP1450 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1450/
3	BSCPs page on the ELEXON website	https://www.elexon.co.uk/bsc-related-documents/related-documents/bscps/
5	SVG176 page on the ELEXON website	https://www.elexon.co.uk/meeting/svg-176/

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