

CP Progression Paper

CP1513 'Updates to BSCP601, CoP3 and CoP5'

ELEXON



Committee

Imbalance Settlement
Group



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About This Document

This document provides information on new Change Proposal (CP)1513 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 the Imbalance Settlement Group (ISG) and Supplier Volume Allocation Group (SVG) Members on this CP before we issue it for consultation.

There are five 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 CP1513 proposal form.
- Attachments B-D contains the proposed redlined changes to deliver the CP1513 solution.

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1 Why Change?

Background

The Balancing and Settlement Code (BSC) requires Active Energy metered data from Central Volume Allocation (CVA) Metering Systems (MS) to be processed in MWh and Active Energy metered data from Supplier Volume Allocation (SVA) MS to be processed in kWh.

CP1051 [‘Review of Metering Code of Practice: 2’](#) was raised to implement several changes to Code of Practice (CoP)2 [‘The Metering of Circuits with a Rated Capacity not exceeding 100 MVA for Settlement Purposes’](#) and CoP1 [‘The Metering of Circuits with a Rated Capacity Exceeding 100MVA for Settlement Purposes’](#). One change was to emphasise that measured quantities and demand values for SVA MS should use kilo (watt), not mega (watt). CoPs 1 and 2 were updated to reflect the kilo/mega differences but, because of the scope of the CP, the kilo/mega changes were not made to CoPs 3 [‘The Metering of Circuits with a Rated Capacity Not Exceeding 10MVA for Settlement Purpose’](#) and 5 [‘The Metering of Energy Transfers with a Maximum Demand of up to \(and including\) 1MW for Settlement Purposes’](#).

CP1051 also introduced new tests and made changes to existing tests in the CoPs 1 and 2 testing schedules¹ to Balancing and Settlement Code Procedure (BSCP) 601 [‘Metering Protocol Approval and Compliance Testing’](#). These required the Compliance Testing Agent (CVA) to confirm whether mega/ kilo switching is possible for CoPs 1 or 2 Metering Equipment (ME) only.

CP1318 [‘Minor changes to BSCP601’](#) added more clarity to several tests in BSCP601 whereby mega values only apply to CoPs 1 and 2.

Modification P266 [‘Improving the allocation of Reactive Power flows between Import and Export Metering Systems’](#) changed CoPs 3 and 5 to clarify that measured quantities and demand values for SVA MS should use kilo values, and measured quantities and demand values for CVA MS should use mega values.

What is the issue?

These changes (and others²) have resulted in kilowatt/megawatt inconsistencies in BSCP601 and between BSCP601 and CoPs 3 and 5. These inconsistencies could cause confusion for some ME manufacturers with regards to compliance testing, and BSC Parties and Meter Operator Agents (MOAs), regarding compliance with CoPs 3 and 5.

The specific issues are:

- Certain tests have the phrase ‘Not applicable to CoP10’. However, BSCP601 paragraph 3.4.4 Note (3) states ‘tests referenced to CoPs in italics indicate CoP specific tests’. Where a test is applicable to CoPs 1, 2, 3, 5 and 10 no mention is made of the CoPs in italics so, if a test is not applicable to CoP10 then the test should mention CoPs 1, 2, 3 and 5 in italics;

¹ These testing schedules were combined with the testing schedules for CoPs 3 and 5 under CP1067 [‘Amendments to BSCP601’](#) to produce a generic testing schedule for CoPs 1,2,3, and 5. This CP was implemented in the same Release. The generic test schedule was then included within BSCP601 itself, by CP1202 [‘Changes to Meter Protocol Test Specification and the inclusion of BSCP601 appendices’](#), in the February 2008 Release.

² For example, [CP1261](#) which introduced CoP10 ‘Code of Practice for whole current metering of energy via low voltage circuits for Settlements purposes’, and later [CP1273](#) which modified CoP10 to accommodate current transformer metering, which modified BSCP601.

- Some parts of BSCP601 reference clauses in the CoPs. For consistency within BSCP601 these should be changed to point to the relevant section of BSCP601;
- BSCP601 is incorrect in asserting that test 009 is only applicable to Central Meter Registration Services (CMRS) registered ME as this test confirms a requirement for SVA registered ME in CoPs 1, 2, 3 and 5;
- BSCP601 is incorrect in asserting that test 010 is only applicable to Supplier Meter Registration Service (SMRS) registered ME, and only CoPs 1, 2, 3 and 5, as this test checks a requirement for CVA registered ME in CoPs 1, 2, 3 and 5 and a requirement for SVA registered ME in CoP10;
- P266 did not amend existing 'mega' to kilo' tests (for CoPs 1 and 2) in BSCP601 to ask the CTA to confirm whether 'mega' to 'kilo' switching was possible for ME being tested for compliance against CoPs 3 and 5;
- Incorrect references as a result of P266. Clause number 4.2.2 in section 5.1.3 (ii) of CoPs 3 and 5 needs to be amended; and
- The sentence 'Where CT test certificates are not available and the CTs can be verified as class 0.5 or better and are installed on an LV installation, the extreme errors for the accuracy class shall be assumed' in different clauses of CoPs 3 and 5 is inconsistent, which could lead to confusion for BSC Parties and MOAs.

Proposed solution

CP1513 proposes to:

- Replace all references to 'Not applicable to CoP10' in BSCP601 to only include the relevant CoPs (e.g. CoPs 1, 2, 3 and 5);
- Amend references to 5.4 and one reference to 5.3 in BSCP601 to point to the relevant sections in BSCP601;
- Amend all the relevant 'mega' to 'kilo' tests (for CoPs 1 and 2) to include CoPs 3 and 5;
- Change the reference to clause number 4.2.2, in section 5.1.3 (ii) of CoPs 3 and 5, to read 4.3.2; and
- Move the relevant sentence in CoP3 from clause 4.3.2 to clause 5.1.1 to be consistent with CoP5.

Proposer's rationale

These changes will align BSCP601 with CoP3 and 5. It will make it clear to manufacturers seeking CoPs compliance that ME can be registered in SMRS or CMRS and, as a result, different measured quantities and Demand Values are required for SVA MS and CVA MS. CP1513 will make it clear that the CTA needs to confirm if Cop 3 and 5 ME is capable of mega/kilo switching. Changing incorrect references in CoPs 3 and 5 will provide increased clarity to BSC Parties and MOAs.

Proposed redlining

Attachments B – D contain the proposed redlining to deliver CP1513.

3 Impacts and Costs

Central impacts and costs

Central impacts

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none">• BSCP601• CoP3• CoP5	None

Central costs

The central implementation costs for CP1513 will be approximately £480 (two ELEXON Working Days (WDs)) to implement the document only changes.

BSC Party & Party Agent impacts and costs

The following positive impacts will result from CP1513:

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	Impact
CVA MOA	Clarifies the requirements in CoP3 regarding use of existing measurement transformers where calibration certificates are missing
HHMOA	Clarifies the requirements in CoP3 regarding use of existing measurement transformers where calibration certificates are missing

4 Implementation Approach

Recommended Implementation Date

CP1513 is proposed for implementation on 27 June 2019 as part of the June 2019 BSC Release.

The June 2019 BSC Release is the next available Release following the expected approval date that that can include this CP.

5 Proposed Progression

Progression timetable

The table below outlines the proposed progression plan for CP1513:

Progression Timetable	
Event	Date
CP Progression Paper presented to ISG for information	20 Nov 18
CP Progression Paper presented to SVG for information	04 Dec 18
CP Consultation	07 Jan 19 – 01 Feb 19
CP Assessment Report presented to ISG for decision	19 Feb 19
CP Assessment Report presented to SVG for decision	05 Mar 19
Proposed Implementation Date	27 Jun 2019

CP Consultation questions

We intend to ask the standard CP Consultation questions for CP1513. We do not believe any additional questions need to be asked for this CP.

Standard CP Consultation Questions
Do you agree with the CP1513 proposed solution?
Do you agree that the draft redlining delivers the CP1513 proposed solution?
Will CP1513 impact your organisation?
Will your organisation incur any costs in implementing CP1513?
Do you agree with the proposed implementation approach for CP1513?
Do you have any further comments on CP1513?

6 Recommendations

We invite you to:

- **NOTE** that CP1513 has been raised;
- **NOTE** the proposed progression timetable for CP1513; and
- **PROVIDE** any comments or additional questions for inclusion in 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
CPC	Change Proposal Circular
CMRS	Central Meter Registration Service
CoP	Code of Practice
CT	Current Transformers
CTA	Compliance Testing Agent
CVA	Central Volume Allocation
HH	Half Hourly
HHMOA	Half Hourly Meter Operator Agents
ISG	Imbalance Settlement Group
KWh	Kilo Watt hour
ME	Metering Equipment
MOA	Meter Operator Agents
MS	Metering Systems
MWh	Mega Watt hour
SMRS	Supplier Meter Registration Service
SVA	Supplier Volume Allocation
SVG	Supplier Volume Allocation Group

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	CP1051 'Review of Metering Code of Practice: 2'	https://www.elexon.co.uk/change-proposal/cp1051-review-of-metering-code-of-practice-2/

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External Links		
Page(s)	Description	URL
2	CoP2 'The Metering of Circuits with a Rated Capacity not exceeding 100 MVA for Settlement Purposes'	https://www.elexon.co.uk/wp-content/uploads/2017/11/BSC_CoP2_Issue4_v13.0.pdf
2	CoP1 'The Metering of Circuits with a Rated Capacity Exceeding 100MVA for Settlement Purposes'	https://www.elexon.co.uk/wp-content/uploads/2017/11/BSC_CoP1_Issue2_v12.0.pdf
2	CP1318 'Minor changes to BSCP601'	https://www.elexon.co.uk/change-proposal/cp1318-minor-changes-to-bscp601/
2	P266 'Improving the allocation of Reactive Power flows between Import and Export Metering Systems'	https://www.elexon.co.uk/mod-proposal/p266-improving-the-allocation-of-reactive-power-flows-between-import-and-export-metering-systems/
2	BSCP601 'Metering Protocol Approval and Compliance Testing'	https://www.elexon.co.uk/wp-content/uploads/2017/02/BSCP601_v19.0.pdf
2	CoP3 'The Metering of Circuits with a Rated Capacity not Exceeding 10 MVA for Settlement Purposes'	https://www.elexon.co.uk/wp-content/uploads/2017/11/BSC_CoP3_Issue5_v13.0.pdf
2	CoP5 'The Metering of Energy Transfers with Max Demand of up to (and including) 1MW for Settlement Purposes'	https://www.elexon.co.uk/wp-content/uploads/2017/11/BSC_CoP5_Issue6_v14.0.pdf
2	CP1067 'Amendments to BSCP601'	https://www.elexon.co.uk/change-proposal/cp1067-amendments-to-bscp601/

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External Links		
Page(s)	Description	URL
2	CP1202 'Changes to Meter Protocol Test Specification and the inclusion of BSCP601 appendices'	https://www.elexon.co.uk/change-proposal/cp1202-changes-to-meter-protocol-test-specification-and-the-inclusion-of-bscp601-appendices/
2	CP1261 'Introducing Metering Code of Practice 10 to facilitate smart metering in the Half Hourly (HH) market'	https://www.elexon.co.uk/change-proposal/cp1261-introducing-metering-code-of-practice-10-to-facilitate-smart-metering-in-the-half-hourly-hh-market/
2	CP1273 'Changes to the scope of CoP10 to cover current transformer operated Meters'	https://www.elexon.co.uk/change-proposal/cp1273-changes-to-the-scope-of-cop10-to-cover-current-transformer-operated-meters/

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