

CP Progression Paper

CP1474 'Updating the CoMC processes to facilitate the elective HH Settlement of SMETS Meters'

ELEXON



Committee

Imbalance Settlement Group / Performance Assurance Board / Supplier Volume Allocation Group



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About This Document

This document provides information on new Change Proposal (CP) CP1474 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), Performance Assurance Board (PAB) and Supplier Volume Allocation Group (SVG) Members on this CP before we issue it for consultation.

This paper is being presented to multiple committees because some of the impacted BSC Procedures (BSCPs) are jointly owned. Further detail of each committee's ownership of BSCPs is covered in the 'Proposed redlining' section of this document, under section 2 'Solution'.

There are nine 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 CP1474 proposal form.
- Attachments B to H contain the proposed redlined changes to deliver the CP1474 solution.

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Background

Ofgem published its '[Elective half-hourly settlement: conclusions paper](#)' on 26 May 2016. One of the priority areas identified was Change of Measurement Class (CoMC) for smart Meters. The conclusions paper notes that improving the current CoMC processes will make it cheaper and faster for domestic and smaller non-domestic customers to electively switch to Half Hourly (HH) Settlement.

Ofgem asked ELEXON and the Master Registration Agreement Service Company (MRASCo) to chair a cross-code working group, to look into the CoMC changes needed to facilitate elective HH Settlement of smart Meters. These changes will apply to:

- Meters that comply with version one of the Smart Metering Equipment Technical Specifications ([SMETS1](#)), whether enrolled by the Data Communications Company (DCC) or not; and
- Meters that comply with version two ([SMETS2](#)) and higher versions.

ELEXON formed a cross-code working group called the [Change of Measurement Class for Smart Meters Working Group](#) (CSMWG), to discuss these changes and develop a solution. The CSMWG considered two options in detail, with both approaches making revisions to the existing CoMC processes. The first option was to produce a new Meter Technical Details (MTDs) data flow for Meter Operator Agent (MOA)-to-MOA transfers for elective HH Meters. The second option was to retain a Non Half Hourly Meter Operator Agent (NHHMOA) for elective HH Meters. The CSMWG opted to progress the second option, as this would result in less change for Suppliers and Supplier Agents. In particular, it would result in minimal change for those Suppliers and Supplier Agents who do not wish to participate in elective HH Settlement.

What is the issue?

The existing CoMC processes are not appropriate for smart Meters where the Supplier is responsible for configuring and collecting data from the Meter. The existing processes focus on two scenarios:

- where a physical change of the Metering System is required to facilitate the CoMC, which requires a site visit; and
- where an advanced Meter is installed, requiring an exchange of communication and password details.

Smart Meters can collect both HH and Non Half Hourly (NHH) data. Therefore, on a CoMC for a Supplier-serviced Metering System, the Supplier (or the Supplier's service provider) will only need to stop collecting meter register readings and start collecting HH Metered Data (or vice versa).

SMETS1 vs SMETS2

SMETS1 is the minimum standard a Foundation smart Meter must meet to be eligible for adoption by the DCC. SMETS2 Meters are enrolled in the DCC from installation. The main difference between SMETS1 and SMETS2 Meters is the security model they use and their communication method.



HHDC-serviced Metering System

A 'HHDC-serviced Metering System' is a Metering System where the HHDC is responsible for collecting data directly from the Metering System.



Supplier-serviced Metering System

A 'Supplier-serviced Metering System' is a Metering System where the Supplier obtains data from a SMETS compliant Meter, either directly or using a service provider.

Proposed solution

CP1474 'Updating the CoMC processes to facilitate the elective HH Settlement of SMETS Meters' was raised by ELEXON on 14 October 2016, to progress the solution developed by the CSMWG.

This CP proposes to amend the CoMC processes for smart Meters moved to elective HH Settlement, as per the option recommended by the CSMWG. The key changes are that:

- the NHHMOA will remain appointed when the Meter is settled HH; and
- steps for a Meter exchange are removed.

The Supplier will record the MOA as HH in the Supplier Meter Registration Service (SMRS)¹, but will retain the services of the NHHMOA operationally. The NHHMOA data flows ([D0149 'Notification of Mapping Details'](#) / [D0150 'Non Half-Hourly Meter Technical Details'](#)) will be used during the CoMC processes and whilst the Meter is settled HH.

This change also introduces new terms to differentiate between the existing and the new CoMC processes introduced by this CP. These terms are:

- 'HHDC-serviced Metering System' for the existing CoMC processes which apply to non-SMETS Meters; and
- 'Supplier-serviced Metering System' for the new CoMC processes (introduced by this CP) which apply to SMETS Meters.

To implement these changes, revisions are required to seven BSCPs. A high-level summary of the required changes to each BSCP is outlined below:

- [BSCP501 'Supplier Meter Registration Service'](#):
 - introduction of the term 'Supplier-serviced Metering System' into the BSCP; and
 - additional footnote that provides guidance for the Supplier to record the MOA as HH in the SMRS via the [D0055 'Registration of Supplier to Specified Metering Point'](#) and [D0205 'Update Registration Details'](#) for a Supplier-serviced Metering System when the Meter is settled HH, although the Supplier will retain the services of the NHHMOA.
- [BSCP502 'Half Hourly Data Collection for SVA Metering Systems Registered in SMRS'](#):
 - introduction of the terms 'HHDC-serviced Metering System' and 'Supplier-serviced Metering System' into the BSCP;
 - changes to the naming of the existing CoMC processes (for non-SMETS Meters) to note they are for HHDC-serviced Metering Systems;
 - changes to highlight process steps that do not apply for Supplier-serviced Metering Systems;

¹ The Supplier will record the MOA as HH in the SMRS by setting the 'MOA Type' as 'H' in the D0055 'Registration of Supplier to Specified Metering Point' / D0205 'Update Registration Details'.

- changes to make sending the [D0302 'Notification of Customer Details'](#) optional for Supplier-serviced Metering Systems;
 - additional process for the current Supplier to collect the final Meter reading on a Change of Supplier (CoS) for Supplier-serviced Metering Systems; and
 - new CoMC processes for Supplier-serviced Metering Systems for NHH to HH and for HH to NHH, and in both cases for coincident / non-coincident with a CoS.
- [BSCP504 'Non Half Hourly Data Collection for SVA Metering Systems Registered in SMRS'](#):
 - introduction of the terms 'HHDC-serviced Metering System' and 'Supplier-serviced Metering System' into the BSCP;
 - changes to the naming of the existing CoMC processes (for non-SMETS Meters) to note they are for HHDC-serviced Metering Systems; and
 - new CoMC processes for Supplier-serviced Metering Systems for NHH to HH and for HH to NHH, and in both cases for coincident / non-coincident with a CoS.
- [BSCP514 'SVA Meter Operations for Metering Systems Registered in SMRS'](#):
 - introduction of the terms 'HHDC-serviced Metering System' and 'Supplier-serviced Metering System' into the BSCP;
 - changes to the naming of the existing CoMC processes (for non-SMETS Meters) to note they are for HHDC-serviced Metering Systems;
 - changes to highlight process steps that do not apply for Supplier-serviced Metering Systems;
 - changes to make the sending of the D0302 optional for Supplier-serviced Metering Systems;
 - new CoMC processes for Supplier-serviced Metering Systems for NHH to HH and for HH to NHH, and in both cases for coincident / non-coincident with a CoS;
 - optional processes for sending the D0302, [D0215 'Provision of Site Technical Details'](#), [D0303 'Notification of Meter Operator, Supplier and Metering Assets installed / removed by the MOP to the MAP'](#) and [D0312 'Notification of Meter Information to ECOES'](#) (unless changes to content);
 - changes to apply NHH timescales to elective HH Metering Systems for MOA activities such as Meter exchanges; and
 - other changes to reflect the Supplier rather than MOA reading and configuring Meters.
 - [BSCP533 'Appendix B: PARMS Calculation Guidelines'](#):
 - introduction of the term 'Supplier-serviced Metering System' into the Appendix; and



SRAG

The SRAG was a group established by the BSC Panel to help develop solutions to address small scale Settlement issues related to the balancing arrangements.

- notes added to Performance Assurance Reporting and Monitoring System (PARMS) Serials HM11 'Timely Sending of HH MTDs to HHDCs' and HM12 'Missing HH MTDs' that when a [D0155 'Notification of Meter Operator or Data collector Appointment and Terms'](#) is received with a Retrieval Method of 'S'², it should be excluded from reporting.
- [BSCP537 'Appendix 1 Self Assessment Document \(SAD\)'](#):
 - introduction of the terms 'HHDC-serviced Metering System' and 'Supplier-serviced Metering System' into the Appendix;
 - changes to Section 9 'HHDC' to identify different process requirements between HHDC-serviced Metering Systems and Supplier-serviced Metering Systems;
 - changes to Section 13 'SVA HHMOA' to identify that they are responsible for HHDC-serviced Metering Systems; and
 - changes to Section 14 'SVA NHHMOA' to identify that they are also responsible for Supplier-serviced Metering Systems (in addition to NHH Metering Systems).
- [BSCP537 'Appendix 2 Testing Requirements'](#):
 - introduction of the new DXXXX and DYYYY data flows (introduced by [DTC CP 3496 'Changes to support the implementation of the SRAG recommendations'](#)) into the Appendix.

Related Changes

There are no other changes which related directly to this CP. However, there are a number of other industry changes that also seek to facilitate elective HH Settlement. The table below summarises the current stage of the existing BSC and Master Registration Agreement (MRA) changes which aim to facilitate elective HH Settlement. These changes were raised following recommendations from Ofgem and the Settlement Reform Advisory Group (SRAG).

Related changes		
Change	Change title	Summary
CP1469	Changes to support the implementation of the SRAG's recommendations.	The SVG approved CP1469 on 4 October 2016 (SVG188) for implementation on 29 June 2017.
DTC CP 3496	Changes to support the implementation of the SRAG recommendations.	Data Transfer Catalogue (DTC) CP 3496 is a related DTC change to facilitate CP1469. The MRA Development Board (MDB) approved DTC CP 3496 on 22 September 2016 for implementation on 29 June 2017.

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² DTC CP 3496 introduces a new Retrieval Method 'S' to indicate that the Supplier, rather than the HHDC, is responsible for retrieving HH Metered Data. [D0268 'Half Hourly Meter Technical Details'](#) data flows are not expected to be sent for these Metering Systems.

Related changes		
Change	Change title	Summary
CP1466	Removing SMETS compliant Meters from the scope of BSCP601.	CP1466 was issued for Consultation (CPC00770) on 12 September 2016 with responses due by 7 October 2016. The SVG and ISG will make a decision on CP1466 on 1 November 2016 (SVG189) and 22 November 2016 (ISG187) respectively.
CP1475	Remove obligation to re-date final NHH Meter readings on CoMC	CP1475 will be presented to the SVG for information on 1 November 2016 (SVG189). CP1475 will be issued for Consultation on 7 November 2016 with responses due by 2 December 2016.

Proposer's rationale

The proposed changes revise the CoMC processes for smart Meters settled HH, and streamline the processes. In the updated processes there will be no need to change the MOA¹ (it remains NHH) when a smart Meter moves to elective HH Settlement. This streamlines the process for a reverse CoMC (HH to NHH), as a NHHMOA is already appointed. As a NHHMOA is appointed, it is also possible to use existing NHH data flows (D0149 / D0150) and avoids the need to switch to HH MTDs when the Meter is elective HH. Using existing data flows means minimal system changes required for Suppliers or Supplier Agents. These changes will remove barriers to the elective HH Settlement of data from smart Meters. Ofgem is keen to remove these barriers by early 2017.

Proposed redlining

Attachments B to H contain the proposed changes to BSCP501, BSCP502, BSCP504, BSCP514, BSCP533 Appendix B, BSCP537 Appendix 1 and BSCP537 Appendix 2 respectively to deliver CP1474.

We are presenting CP1474 to the ISG, PAB and SVG because some of the BSCPs impacted by this change are jointly owned. The ownership of the BSCPs under the BSC Baseline Statement is as follows:

- BSCP501, BSCP502, BSCP504 and BSCP514 – SVG
- BSCP533 Appendix B – SVG and PAB
- BSCP537 Appendix 1 and BSCP537 Appendix 2 – SVG, ISG and PAB

The PAB has joint ownership of BSCP533 Appendix B because PARMS data is used primarily to support the Performance Monitoring and Reporting technique, which is part of ELEXON's Performance Assurance Framework. PARMS data is also used in the Peer Comparison and Supplier Charges techniques and in reports to the PAB.

The PAB has joint ownership of BSCP537 Appendix 1 and BSCP537 Appendix 2 because the PAB is responsible for the Supplier Volume Allocation (SVA) Qualification Performance Assurance Technique.

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3 Impacts and Costs

Central impacts and costs

CP1474 will require changes to BSCP501, BSCP502, BSCP504, BSCP514, BSCP533 Appendix B, BSCP537 Appendix 1 and BSCP537 Appendix 2. No central system changes are required and there will be no impact on BSC Agents.

The central implementation costs for CP1474 will be approximately £240 (one ELEXON working day) to implement the document changes.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none">• BSCP501• BSCP502• BSCP504• BSCP514• BSCP533 Appendix B• BSCP537 Appendix 1• BSCP537 Appendix 2	<i>None</i>

BSC Party & Party Agent impacts and costs

The changes proposed by CP1474 are document changes only. We believe this change will impact Suppliers, NHHMOAs, HH Data Collectors (HHDCs) and NHH Data Collectors (NHHDCs).

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	Impact
Supplier	<ul style="list-style-type: none">• Creation of new internal processes for smart CoMC
NHHMOA	<ul style="list-style-type: none">• Creation of new internal processes for smart CoMC
NHHDC	<ul style="list-style-type: none">• Clarification of application of existing CoMC process to smart Meters
HHDC	<ul style="list-style-type: none">• Creation of new internal processes for smart CoMC• Update PARMS software that creates HM11 and HM12 Serials to take into account D0155s with a Retrieval Method of 'S'

4 Implementation Approach

Recommended Implementation Date

CP1474 is proposed for implementation on **29 June 2017** as part of the June 2017 BSC Systems Release.

The Implementation Date is proposed to align with the process changes for CP1469 and the availability of amended and new data flows that will be created by DTC CP3496.

This Implementation Date also meets Ofgem's target date for removing barriers to elective HH Settlement by early 2017, as set out in the Ofgem ['Elective half-hourly Settlement: conclusions paper'](#).

5 Proposed Progression

Progression timetable

The table below outlines the proposed progression plan for CP1474.

Progression Timetable	
Event	Date
CP Progression Paper presented to ISG for information	25 Oct 16
CP Progression Paper presented to PAB for information	27 Oct 16
CP Progression Paper presented to SVG for information	1 Nov 16
CP Consultation	7 Nov 16 – 2 Dec 16
CP Assessment Report presented to PAB for decision	15 Dec 16
CP Assessment Report presented to SVG for decision	3 Jan 17
CP Assessment Report ex-committee ISG decision	4 Jan 17
Proposed Implementation Date	29 Jun 17 (June 2017 Release)

We propose, subject to ISG agreement, to issue the CP Assessment Report to the ISG on 19 December 2016. This is in line with the paper day for the SVG. We request an ex-committee decision (by correspondence) by the ISG on 4 January 2017. This gives the ISG the required five Working Days for an ex-committee decision, as outlined in the ISG's Terms of Reference. We will update the ISG, via correspondence, of the SVG's decision and views on 3 January 2017 following the SVG meeting.

We propose an ex-committee ISG decision because paper day for the ISG meeting on 13 December 2016 is 5 December 2016, one working day after the CP Consultation closes. This would give ELEXON insufficient time to give due regard to the consultation responses and issuing a late paper would give the ISG insufficient time to review the paper.

Delaying a decision until the next scheduled ISG meeting on 24 January 2016 would put at risk market participants' ability to implement the proposed changes by June 2017 and to meet Ofgem's expectations.

CP Consultation questions

We intend to ask the standard CP Consultation questions for CP1474. We do not believe any additional questions need to be asked for this CP.

Standard CP Consultation Questions	
Do you agree with the CP1474 proposed solution?	
Do you agree that the draft redlining delivers the CP1474 proposed solution?	
Will CP1474 impact your organisation?	
Will your organisation incur any costs in implementing CP1474?	
Do you agree with the proposed implementation approach for CP1474?	

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6 Recommendations

We invite you to:

- **NOTE** that CP1474 has been raised;
- **NOTE** the proposed progression timetable for CP1474;
- **PROVIDE** any comments or additional questions for inclusion in the CP Consultation; and
- **NOTE** that we presented this CP to the ISG for initial comment on 25 October 2016 and we will present this CP to the SVG for initial comment on 1 November 2016.

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	BSC Procedure (<i>Code Subsidiary Document</i>)
CoMC	Change of Measurement Class
CoS	Change of Supplier
CP	Change Proposal
CPC	Change Proposal Circular
CSMWG	Change of Measurement Class for Smart Meters Working Group (<i>Industry expert group</i>)
CVA	Central Volume Allocation
CVA MOA	CVA Meter Operator Agent (<i>Supplier Agent role</i>)
DCC	Data Communications Company (<i>Licensed industry body</i>)
DTC	Data Transfer Catalogue (<i>Industry Code Subsidiary Document</i>)
ECOES	Electricity Central Online Enquiry Service (<i>Industry database</i>)
HH	Half Hourly
HHDC	Half Hourly Data Collector (<i>Supplier Agent role</i>)
ISG	Imbalance Settlement Group (<i>Industry Panel sub-committee</i>)
MDB	Master Registration Agreement Development Board (<i>Industry Panel</i>)
MOA	Meter Operator Agent (<i>Supplier Agent role</i>)
MRA	Master Registration Agreement (<i>Industry Code</i>)
MRASCo	MRA Service Company (<i>Code administrator</i>)
MTD	Meter Technical Details
NHH	Non Half Hourly
NHHDC	Non Half Hourly Data Collector (<i>Supplier Agent role</i>)
NHHMOA	Non Half Hourly Meter Operator Agent (<i>Supplier Agent role</i>)
PAB	Performance Assurance Board (<i>Industry Panel sub-committee</i>)
PARMS	Performance Assurance Reporting and Monitoring System
SMETS	Smart Metering Equipment Technical Specifications (<i>Industry document</i>)
SMRS	Supplier Meter Registration Service
SRAG	Settlement Reform Advisory Group (<i>Industry expert group</i>)
SVA	Supplier Volume Allocation
SVG	Supplier Volume Allocation Group (<i>Industry Panel sub-committee</i>)

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DTC Data Flows

DTC data flows referenced in this document are listed in the table below.

DTC data flows	
Number	Name
D0055	Registration of Supplier to Specific Metering Point
D0149	Notification of Mapping Details
D0150	Non Half-hourly Meter Technical Details
D0155	Notification of Meter Operator or Data Collector Appointment and Terms
D0205	Update Registration Details
D0215	Provision of Site Technical Details
D0268	Half Hourly Meter Technical Details
D0302	Notification of Customer Details
D0303	Notification of Meter Operator, Supplier and Metering Assets installed / removed by the MOP to the MAP
D0312	Notification of Meter Information to ECOES

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, 8	Elective HH Settlement conclusion paper on the Ofgem website	https://www.ofgem.gov.uk/publications-and-updates/elective-half-hourly-settlement-conclusions-paper
2	SMETS1 policy on the government website	https://www.gov.uk/government/publications/smart-metering-implementation-programme-technical-specifications
2	SMETS2 policy on the government website	https://www.gov.uk/government/consultations/smart-metering-equipment-technical-specifications-second-version
2	CSMWG page on the ELEXON website	https://www.elexon.co.uk/group/change-measurement-class-comc-smart-meters/
3	CP1474 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1474/
3	D0149 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0149&FlowVers=1&searchMockFlows=False
3	D0150 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0150&FlowVers=1&searchMockFlows=False

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External Links		
Page(s)	Description	URL
3, 4, 5	BSCP page on the ELEXON website	https://www.elexon.co.uk/bsc-related-documents/related-documents/bscps/
3	D0055 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0055&FlowVers=1&searchMockFlows=False
3	D0205 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0205&FlowVers=1&searchMockFlows=False
4	D0302 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0302&FlowVers=2&searchMockFlows=False
4	D0215 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0215&FlowVers=1&searchMockFlows=False
4	D0303 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0303&FlowVers=1&searchMockFlows=False
4	D0312 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0312&FlowVers=1&searchMockFlows=False
5	D0155 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0155&FlowVers=1&searchMockFlows=False
5	DTC CP 3496 page on the MRA website	https://mra.mrasco.com/change/changes-to-support-the-implementation-of-the-srag-recommendations/
5	CP1469 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1469/
5	SVG188 page on the ELEXON website	https://www.elexon.co.uk/meeting/svg-188/
5	D0268 page on the MRA website	https://dtc.mrasco.com/DataFlow.aspx?FlowCounter=0268&FlowVers=1&searchMockFlows=False
6	CP1466 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1466/
6	CPC page on the ELEXON website	https://www.elexon.co.uk/change/change-proposals/change-proposal-circulars/
6	SVG189 page on the ELEXON website	https://www.elexon.co.uk/meeting/svg-189/?from_url=https://www.elexon.co.uk/events-calendar-item/svg-189/
6	ISG187 page on the ELEXON website	https://www.elexon.co.uk/meeting/isg-187/
6	CP1475 page on the ELEXON website	https://www.elexon.co.uk/change-proposal/cp1475/

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