CP1416 ASSESSMENT CONSULTATION

About this document

This is an Assessment Consultation document, which provides details of the background, solution, potential impacts and costs associated with CP1416 'Remotely disabled smart Meters'. This document is for information only, to be used in line with the Consultation Response form, to which this document is attached.

1. Why Change?

Background

Meters complying with the Smart Metering Equipment Technical Specifications (SMETS) will have a function to remotely disable a customer's supply. This functionality is also available in a sub-set of advanced Meters. A remotely disabled smart Meter will not be de-energised under the Balancing and Settlement Code (BSC) definition in BSC Section X Annex X-1.

In the case of a remotely disabled smart Meter, electricity will continue to flow to and from the 'system' (in this case the distribution network), with only the supply between the Meter and the consumer's circuits disabled. This will allow the smart Meter to be enabled remotely. As a remotely disabled Meter can still be read, the Supplier will be able to retrieve zero advances. As such, there is not the same need to exclude Estimated Annual Consumption (EAC) values from aggregation runs as there is for de-energised sites.

What is the issue?

ELEXON has received enquiries which suggest that there is confusion about the status of remotely disabled smart (and advanced) Meters for Settlement purposes. The requirements in BSC Procedure (BSCP) 504 'Non Half Hourly Data Collection for SVA Metering Systems Registered in SMRS' and BSCP514 'SVA Meter Operations for Metering Systems Registered in SMRS' have been reviewed by a joint BSC– Master Registration Agreement (MRA) working group looking at consequential changes arising from the mass roll-out of smart metering. It was agreed that the redlined text needs addressing so there is not the potential for remotely disabled sites to be incorrectly treated as de-energised.

A mechanism is required for the Supplier to notify the Non Half Hourly Data Collector (NHHDC) of readings from remotely disabled sites, so that zero advances do not fail validation. This is included in the validation changes in CP1417 'Reading validation for smart Meters'.

Licensed Distribution System Operators (LDSOs) may also need to know whether a Metering System is remotely disabled, but will able to determine this from the Meter itself via the Data and Communications Company (DCC).

2. Solution

Proposed solution

CP1416 proposes to add a clarification to the energisation and de-energisation processes in BSCP504 and BSCP514 to the effect that a remotely disabled smart or advanced Meter shall be treated as energised for the purpose of Settlement. This change has been reviewed by a joint BSC-MRA working group looking at consequential changes arising from the mass roll-out of smart metering.

CPC Consultation Question
Do you agree with the proposed changes? *Please provide your rationale*

3. Impacts and costs

Central impact and costs

This CP will require updates to BSCP504 and BSCP514 to implement the proposed solution. You can find the proposed changes in Attachments B and C respectively. No system changes will be required for this CP.

Central impacts	
Document impacts	**System impacts**
BSCP504	*None identified*
BSCP514	

The central implementation costs for CP1416 will be approximately £240 (1 man day) for ELEXON to implement the relevant document changes. There are no BSC Agent costs or impacts.

BSC Party and Party Agent impacts

The changes to BSCP504 and BSCP514 will have an impact on Suppliers, NHHDCs and Meter Operator Agents (MOAs).

BSC Party & Party Agent impacts	
BSC Party/Party Agent	**Impact**
Suppliers	Minor changes will be required to implement the solution.
NHHDCs	
MOAs	

CPC Consultation Question
Is your organisation impacted? *If 'yes', please answer the following questions:* **(a) How is your organisation impacted?** *Please provide a description of the impact(s) on your organisation and any activities which you will need to undertake between the approval of CP1416 and CP1416 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.* **(b) What are the associated costs on your organisation to implement this change?** *Please provide details of these costs, how they arise and whether they are one off or on-going costs.*

4. Implementation approach

Proposed Implementation Date

CP1416 is proposed for implementation on **26 February 2015** as part of the February 2015 BSC Systems Release so that the changes are implemented at the same time as other smart Metering consequential changes and in good time for the initial live operation of the DCC, which is planned for December 2015.

CPC Consultation Question
Do you agree with the implementation approach? *Please provide your rationale.*

5. SVG initial views

We presented CP1416 to the SVG for comment at its meeting on 1 July 2014 (SVG161/04).

A member of the SVG commented that further clarification was required in the background section of the paper as to whether energy would still be able to flow to the customer or only to the Meter remotely disabled smart Meters. ELEXON clarified that only the supply between the Meter and the consumer's circuits will be disabled but that Suppliers will still be able to communicate with the Meter via the Data and Communications Company (DCC). ELEXON agreed to include this clarification into the background section of the Assessment Consultation for CP1416.

Appendices

None

Attachments

Attachment A: CP1416 Proposal Form v1.0

Attachment B: BSCP504 proposed redlining v0.1

Attachment C: BSCP514 proposed redlining v0.1

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