Draft Change Proposal – BSCP40/01	DCP No: 0030 *Version No:* 2.0 *(mandatory by BSCCo)*

Title *(mandatory by originator)*

Improving Microgeneration Processes in the Code Subsidiary Documents.

Description of Problem/Issue *(mandatory by originator)*

The purpose of this Draft Change Proposal (DCP) is to ensure that Suppliers are aware when an Import Meter is at risk of running backwards (i.e. when microgeneration[1] has been installed on a site) and to create a process for checking (and if necessary, replacing) the metering. This DCP does not create a requirement to fit an Export Meter.

Background - P213

P213 'Facilitating Microgeneration 'Optional Single MPAN' was raised by E.ON on 27 April 2007. The P213 Modification Group noted in their Assessment Report that a review of the current processes might be useful to understand if there are any Settlement process issues that are preventing a greater take up of the microgeneration solution introduced by P081 'Removal of the requirement for Half Hourly Metering for Third Party Generators at Domestic Premises'.

The Panel requested that the Supplier Volume Allocation Group (SVG) raise a CP issue to consider whether any changes could be made to improve the current microgeneration Settlement processes in the Code Subsidiary Documents (CSDs).

Background - CP Issue 2

The CP issue 2 (Review of Microgeneration Processes in the Code Subsidiary Documents) group met twice, considered the microgeneration processes and recommended the following changes be made:

- When informed of the installation of microgeneration, the LDSO should inform the Import Supplier that the respective site is capable of microgeneration; and
- The Import Supplier and Meter Operator will investigate whether the relevant Meter is fitted with a backstop[2], and where applicable replace the Meter with one that is fitted with a backstop.

[1]The term 'microgeneration' is not a BSC defined term and references within the CSDs use the term 'Small Scale Third Party Generation Plant' (SSTPGP).

[2]A backstop is an anti reverse mechanism to prevent electromechanical Meters from running backwards, thereby enabling the Meter to deal with reverse energy flow if Export was greater than Import at a particular site i.e. the Meter does not run backwards.

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Justification for Change *(mandatory by originator)*

This will add transparency to the process of microgeneration installation by ensuring that the Import MPAN Supplier is aware that microgeneration is being installed. In addition, clearly labelling the instruction to the Meter Operator when Meters are being checked to ensure a backstop is fitted will add clarity to this process.

Proposed Solution(s) *(mandatory by originator)*

Views of respondents from the initial impact assessment of DCP0030 version 1.0

DCP0030 was previously issued for impact assessment as version 1.0. Respondents were generally supportive of the principle but had mixed views on different aspects of the DCP:

- Majority of the respondents felt that 10 Working Days for each individual stage of the suggested Meter investigation process. Therefore this is reflected in this revised version of DCP0030;
- It was noted that the reference to CoP 9'Code of Practice for the Metering of Import and Export Active Energy via low Voltage circuits for Non Half Hourly Settlement Purposes' was unhelpful, and should be removed. Where a Supplier or Customer wishes to settle Export in Settlements, then there would be a requirement for an Export Meter which would need to comply with the provisions of CoP 9, however, this is not particularly relevant for DCP0030. References to CoP 9 have been therefore been removed from this DCP.
- Several respondents suggested different options for the process of checking the metering.
- The full impact assessment responses are available on the DCP0030 page of the ELEXON website.

Proposed Solution

For simplicity, this change has been split into two parts, part 1 is common to all solutions and part 2 contains 3 possible options.

Part 1

When informed of the installation of microgeneration, the LDSO must inform the Import Supplier that the site is capable of microgeneration. This will entail the creation of a new LDSO obligation (with associated timescales) in BSCP515 Section 1.1 'Purpose and Scope of the Procedure'. Attachment A sets out the proposed change.

Part 2

As noted, the overall solution will be different depending on which of the Part 2 options is chosen. Each of the 3 options set out below describe a process for the Supplier and Meter Operator to agree and carry out the actions that need to be taken to ensure that the Import Meter does not run backwards.

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Questions to consider for Part 2:

1. **Respondents are requested to identify their preferred solution, and provide rationale for choosing the preferred solution.**

2. **Respondents are requested to identify any concerns they may have with the other suggested solutions.**

Option 1: Original CP issue 2 solution

This option was developed by the CP issue 2 Group as described in version 1.0 of DCP0030.

In addition to Part 1, this option would create the following process in BSCP514 'SVA Meter Operations for Metering Systems registered in the SMRS':

(a) On becoming aware that microgeneration equipment is being installed, the Import Supplier sends a D0001 flow to the Meter Operator to investigate/confirm whether the relevant Meter requires a backstop within 10 Working Days.

(b) The Meter Operator responds to the Supplier with a D0002 'Fault Resolution Report or Request for Decision on Further Action' flow outlining whether the Meter has a backstop within 10 Working Days.

(c) If the Meter does not have a backstop, the Supplier sends the Meter Operator a D0142 'Request for Installation or Change to a Metering System Functionality or the Removal of All Meters flow' requesting the Meter Operator to replace the Meter within 10 Working Days. If the Meter does have a backstop then the Supplier does not take any further action.

(d) When the Meter has been replaced the Meter Operator sends a D0150 to the Supplier to confirm that the Meter has been replaced.

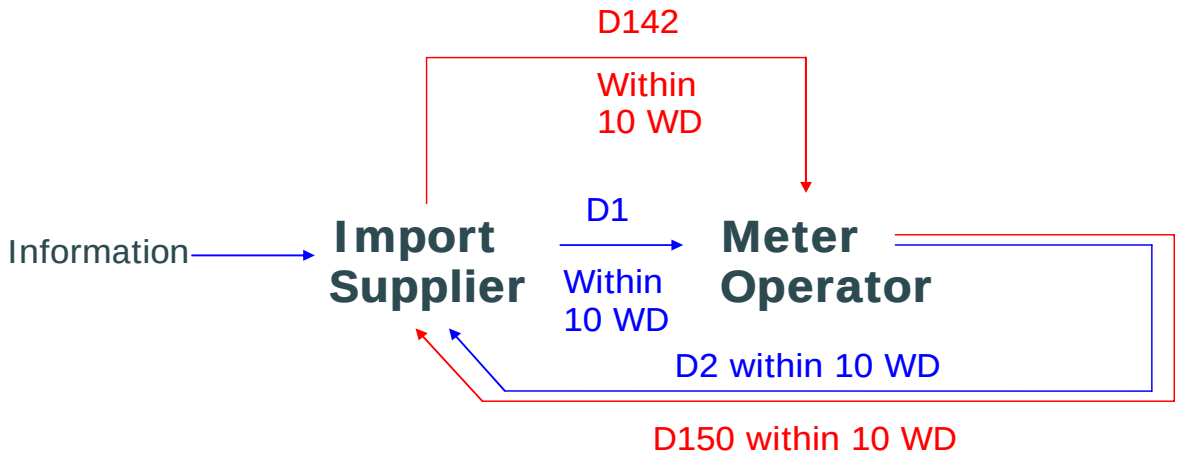

Figure 1 (above): illustrates the model as proposed by option 1.

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Option 2: suggested by respondents from the initial DCP0030 impact assessment

This option was suggested by some respondents to the initial impact assessment of DCP0030. The solution modifies the procedure that was proposed by the CP issue 2 Group.

In addition to part 1, option 2 would create the following process in BSCP514:

(a) On becoming aware that microgeneration equipment is being installed, the Import Supplier sends a D0142 flow to the Meter Operator to investigate/confirm whether the relevant Meter requires a backstop within 10 Working Days.

(b) The Meter Operator subsequently responds to the Supplier with a D0150 'Non Half-hourly Meter Technical Details' flow outlining whether the Meter has a backstop or indicating that the Meter has been replaced, within 10 Working Days.

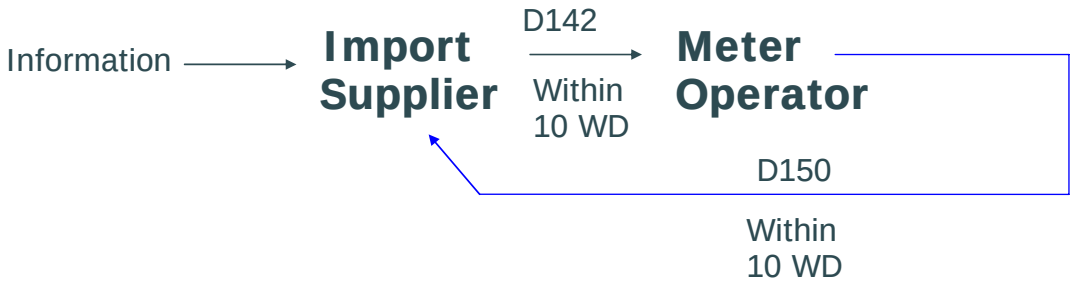

Figure 2 (above): illustrates the model as suggested option 2.

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Option 3: an alternative option suggested by ELEXON

This solution has been developed by ELEXON with the aim of streamlining the Meter investigation process where microgeneration has been installed at a site.

In addition to part 1, option 3 would create the following process in BSCP514:

(a) On becoming aware that microgeneration equipment is being installed, the Import Supplier sends a D0001 flow to the Meter Operator to investigate/confirm whether the relevant Meter requires a backstop within 10 Working Days.

(b) The Meter Operator subsequently investigates whether the Meter requires a backstop and where appropriate replaces the Meter with one that is fitted with a backstop. The Meter Operator subsequently responds to the Import Supplier with a D0002 and D0150 at the same time, outlining whether the Meter has a backstop and whether the Meter has been replaced, within 10 Working Days.

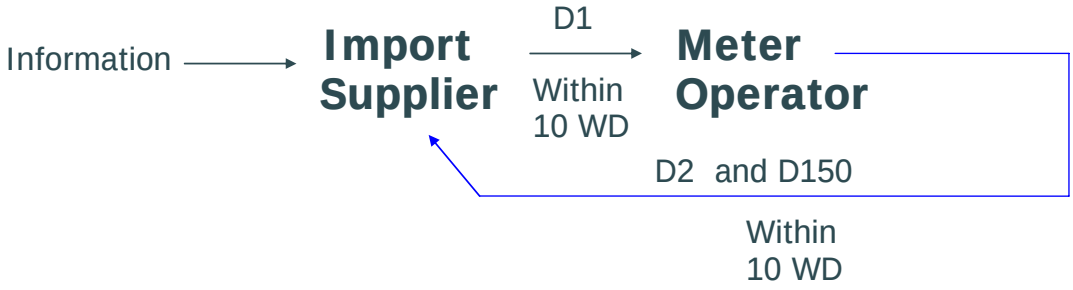

Figure 3(above): illustrates the model as proposed by option 3.

Version History ***(mandatory by BSCCo)***

This is version 2.0 of DCP0030 to be issued for Impact Assessment.

This change was suggested as part of the consideration of CP issue 2 and previously issued for impact assessment via CPC00631 as version 1.0.

Has this DCP been raised for discussion by a Working Group ***(optional by originator)*****: ~~Y~~/~~N~~***

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Attachments: 1
Attachment A: Timescale for LDSO obligation in BSCP515 (1 page)