4.5. MP Form

Modification Proposal – BSCP40/03	**MP No: P339** *(mandatory by BSCCo)*
Title of Modification Proposal: Introduction of new Consumption Component Classes for Measurement Classes E-G	
Submission Date: 04/05/2016	

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Description of Proposed Modification

This Modification Proposal seeks to introduce new Consumption Component Classes (CCCs) for Measurement Classes "E", "F" and "G" to enable aggregated consumption volumes for both Active Import (AI) and Active Export (AE) to be identified separately.

Currently there are three Measurement Classes for Half-Hourly (HH) Metering Systems with less than 100kW Maximum Demand Premises:

- Measurement Class E - HH Metering Equipment at below 100kW Premises with current transformer (CT)
- Measurement Class F - HH Metering Equipment at below 100kW Premises with CT or whole current (WC), and at Domestic Premises
- Measurement Class G - HH Metering Equipment at below 100kW Premises with WC and not at Domestic Premises.

These Measurement Classes currently share six CCCs that are identified with a Consumption Level Indicator of "A" as defined in Section X, Annex X-2 of the Balancing and Settlement Code (BSC):

- Consumption Level Indicator "A" - Metering Systems which are not 100kW Metering Systems (equivalent to Measurement Class "E", "F" and "G")

The six CCCs ("23", "25", "26", "28", "30" and "31") all have a Measurement Quantity ID of AI (consumption) and there are none for AE (generation).

The new CCCs will facilitate:

- The aggregation of HH Export volumes for Settlement and Distribution use of System (DUoS) billing;
- The application of different Performance Levels to Measurement Classes "E", "F" and "G";
- The application of different Group Supply Point (GSP) Group Correction Factor (GCF) scaling weights to Measurement Classes "E", "F" and "G";
- The ability to apply different BSC specified charges to smaller Customers.

All of the above changes would remove significant barriers to elective HH Settlement.

Description of Issue or Defect that Modification Proposal Seeks to Address

Measurement Classes "F" and "G" were introduced by Approved Modification P300 'Introduction of new Measurement Classes to support Half Hourly DCUSA Tariff Changes (DCP179)'. This enabled network charges to be applied on an aggregated basis for smaller Customers rather than on a site specific basis. P300 originally intended to introduce 10 new CCCs for each of Measurement Class "F" and "G" (six for Import and four for Export).

Modification Proposal – BSCP40/03	MP No: P339 *(mandatory by BSCCo)*

Prior to P300, Rejected Modification Proposal P280 'Introduction of new Measurement Classes' sought to introduce new Measurement Classes, P280 also included the new CCCs.

The P300 Workgroup did not include the CCCs for Export as this would have increased the size of certain data flows. Instead, P300 utilised the existing CCCs applicable to Measurement Class "E". As a result, Measurement Classes "E", "F" and "G" cannot be separated in Settlement. This has also had the consequence that aggregated Export cannot be settled under these Measurement Classes.

This Modification was recommended by the Settlement Reform Advisory Group (SRAG) following its work to identify barriers to elective HH Settlement for small sites (Measurement Class "F"). One of the barriers identified by the SRAG arises from unmetered and unregistered Export from microgeneration sites (primarily solar sites registered in the Feed-in-Tariff scheme). This reduces the GSPGCF below "1" in Settlement Periods where photo-voltaic arrays are exporting.

The CCCs to be introduced in this Modification will facilitate the aggregated HH Settlement of microgeneration sites, where Export is metered and registered for Settlement. This would mitigate Export from impacting the GSPGCF.

This Modification will also enable revision of the GSPGCF Scaling Weights for each of Measurement Classes "E", "F" and "G". This will individually allow small HH sites to receive the GSPGCF benefits arising from low GSPGCFs that are currently received by Non-Half Hourly (NHH) registered Metering Systems.

Introducing the new CCCs will further help facilitate elective HH Settlement for small sites by enabling Performance Levels to be set separately for each Measurement Class.

These CCCs will also introduce more flexibility to the BSC specified charging methodology and allow charging for smaller HH Metering Systems. For example, Measurement Class "F" to be separated from traditional HH charging (Measurement Class "C"). This would allow the removal of a barrier identified to elective HH Settlement which currently means HH Metering Systems are charged more than NHH Metering Systems. This charge difference will be approximately £2 more per Metering System per year once all Profile Class 5-8 NHH Metering Systems sites have switched to HH Metering Systems following the implementation of P272.

The Distribution Connection and Use of System Agreement (DCUSA) Change Proposal (DCP) 179 'Amending the CDCM tariff structure' changed the name of the existing Generation (Export) tariff to include HH aggregated generation. The new CCCs will allow HH Export to be aggregated and charged under the revised DUoS tariff (noting that DCUSA DCP268 'Charging Using HH settlement data' will further look to revise the DUoS Charging arrangements).

Modification Proposal – BSCP40/03	**MP No: P339** *(mandatory by BSCCo)*

Impact on Code

Section X, Annex X-2 'Technical Glossary'

Impact on Core Industry Documents or System Operator-Transmission Owner Code

In addition to the changes to BSC Section X2, changes will also be required to the MRA DTC to, for example, amend the D0030 data flow so that it can report production for AE for exporting Metering Systems to Distributors on an aggregated basis.

Impact on BSC Systems and Other Relevant Systems and Processes Used by Parties

Changes will be required to the Supplier Volume Allocation (SVAA) (ISRA) system and Half Hourly Data Aggregator (HHDA) systems in order to allow SVAA to provide Distribution Systems Operators with aggregated production data for the Measurement Classes "F" and "G".

Impact on other Configurable Items

SVAA technical documentation

Market Domain Data (MDD) to introduce the new CCCs and add GSPGCF Scaling Weights for the CCCs.

Modification Proposal – BSCP40/03	MP No: P339 *(mandatory by BSCCo)*

Justification for Proposed Modification with Reference to Applicable BSC Objectives

The BSC allows for the Panel to amend the list of valid CCCs from time to time. As such, there would be no need for a Modification to make the amendments if agreed by the Panel; other than a Fast-Track Self-Governance (housekeeping) change to update the BSC with any new CCCs. However, as there is no governance for how the Panel makes these amendments and the likelihood of impacts as a consequence of changes, a BSC Modification provides the necessary framework.

The Applicable BSC Objectives that are better facilitated by this modification are Objective (c) and (d).

Objective (c) promoting effective competition in the generation and supply of electricity, and (so far as consistent therewith) promoting such competition in the sale and purchase of electricity;

Elective HHS opens up the potential for innovative new products in the domestic retail market thus increasing competition. This Proposed Modification will remove barriers to an elective HHS market and facilitates this BSC objective.

(d) promoting efficiency in the implementation and administration of the balancing and settlement arrangements described in paragraph 2;

This BSC Objective is better facilitated by this Proposed Modification as it creates the facility for microgeneration sites to be settled without the need for large volumes of site specific HH data to be passed between Parties.

Is there a likely material environmental impact?

No

Urgency Recommended: No

Justification for Urgency Recommendation

Not applicable.

Self-Governance Recommended: Yes

Justification for Self-Governance Recommendation

Self-Governance is recommended as it aligns with Panel's powers under Section X, Annex X-2, 3.5.2, which allows the Panel to amend the list of valid CCCs from time to time.

Fast Track Self-Governance Recommended: No

Modification Proposal – BSCP40/03	MP No: P339 *(mandatory by BSCCo)*

Justification for Fast Track Self-Governance Recommendation

Not applicable.

Should this Modification Proposal be considered exempt from any ongoing Significant Code Reviews?

No relevant ongoing SCRs

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Attachments: No

If Yes, Title and No. of Pages of Each Attachment:

Not applicable.