

4.3 CP Form

Change Proposal – BSCP40/02	CP No: CP1558 <i>Version No: 1.0</i> <i>(mandatory by BSCCo)</i>
Title (mandatory by originator) New Registration data items and processes to support the MHHS transition	
Description of Problem/Issue (mandatory by originator) <u>What is the issue?</u> In its consultation on the Detailed MHHS Target Operating Model Design, Data Items and Processes in December 2020, the Code Change and Development Group (CCDG) set out the Registration Service data items needed for Market-wide Half-Hourly Settlement (MHHS) to form part of the Design Baseline published in April 2022 . However, it is concerned that starting migration in October 2024 with poor quality underlying data will lead to avoidable time and effort being spent trying to fix issues during the twelve month migration period. In its MHHS transition consultation , the CCDG recommended that a subset of Registration Service data items required for MHHS are introduced in February 2023 , about 18 months before migration is due to commence in October 2024. This is because these items are so critical to the MHHS rules and processes that going live with poor quality data would lead to avoidable time and effort being spent fixing issues during the 12 month migration period. The CCDG recommended that these critical data items and supporting BSC processes are introduced into existing Supplier Meter Registration Service (SMRS) systems in February 2023 to allow sufficient time for them to be back populated for all (Supplier Volume Allocation (SVA) Metering Systems. <u>Further information</u> The CCDG has done further pre-work to identify and define the impacts to interfaces and market messages, supported by Supplier Meter Registration Agents (SMRAs). In the case of the D0312 ‘Notification of Meter Information to MPAS’, this will be progressed under a separate Retail Energy Code (REC) change, including a change to the Energy Market Data Specification (EMDS). In addition to the new data items and processes introduced by this CP from February 2023 , supporting activities will be needed to populate values for existing SVA Metering Systems, and a period of data cleanse in the lead up to the migration to MHHS. These activities are expected to commence in late 2022 and run through to mid-2024 and are not covered by this CP. They will be coordinated by the MHHS Programme beginning in Q2 of 2022. The CCDG recognises that the proposed Implementation Date will be challenging for all impacted participants given the implementation of the Switching Significant Code Review (SCR) in mid-2022. Impacts on the industry will be continually re-assessed as more detail becomes available.	

Proposed Solution (mandatory by originator)

The REC has raised the change [R0032 'New Registration data items and processes to support the transition to MHHS'](#). This BSC CP and R0032 will collectively deliver the CCDG's transition recommendation as follows:

This CP will:

- Create Connection Type, Connection Type Effective From Date (EFD) and Associated Import/Export Metering System Identifier (MSID) as BSC owned data items in the EMDS.
- Recognise Energy Direction and Metered Indicator in BSCP501 'Supplier Meter Registration Service' and BSCP515 'Licensed Distribution'.
- Modify existing processes in BSCP501 and BSCP515 to require that these data items are populated on connection of a new SVA Metering System and can be amended if the LDSO is made aware of a change or an incorrect value.

R0032 will:

- Implement changes to the D0312 'Notification of Meter Information to MPAS' dataflow.
- Create Electricity Smart Meter Equipment (ESME) Id and Number of Displayed Register Digits as new REC owned data items in the Data Specification
- Make changes to the Electricity Enquiry Service (EES, a.k.a. ECOES) to display all new data items (BSC and REC owned) introduced by both CPs
- Consider data access requirements for new items for EES Users (GUI and API), particularly the implications of ESME ID (Smart Meter security).

LDSO mastered data items and processes

These data items will be mastered by the LDSO and set at the point of connection of a new SVA Metering System. The LDSO may be notified of incorrect values as part of the proposed data cleanse activity, or following routine site visit activity, which will require the new items to be updated.

Connection Type (DInew)

These items identify the physical connection as one of four valid types: Whole Current (W), LV Current Transformer (L), HV Current Transformer (H) or EHV Current Transformer (E).

Connection Type Effective From Date (DInew)

This is the date and time from which the value for Connection Type became effective

Metered Indicator a.k.a. *meteringPointMeteredInd* (DI90035)

This data item already exists 'virtually' in SMRS and sent to the Central Switching Service (CSS) to differentiate between metered and unmetered MSIDs. However, it has not been integrated into standard BSC processes, which currently use Measurement Class (MC).

As all Unmetered Supplies (UMS) MSIDs will be settled HH under MHHS, there will be no need to differentiate NHH UMS (MC B) from HH UMS (MC D). Once the MHHS transition is complete, Measurement Class will become redundant and can be discontinued.

Energy Direction a.k.a. *meteringPointEnergyFlow* (DI90033)

This is currently derived by the ECOES based on the assigned Line Loss Factor Class (LLFC), but should be mastered by the LDSO as an item in its own right. Energy direction is known at the point of connection, and this determines the relevant LLFC for DUoS charging, rather than the reverse. The CSS, once live in mid-2022, will consume this item and so any impacts on that system must be considered.

Associated Import/Export MSID

This will record the relationship between the respective import MSID and export MSID at a particular site to identify where common processes are needed for both Metering Systems.

Proposals for data population and cleanse following implementation

Although not directly facilitated by this CP, the CCDG, with input from SMRAs, has set out its initial thinking in regard to how these could best be achieved. The MHHS Programme would welcome views on this thinking as part of responses to the consultation and will provide clarity on these proposals in a subsequent consultation.

Data cleanse and associated reporting

Once the new data items have been implemented, a period of data cleanse will need to be carried out under the oversight of the MHHS Programme. The requirements for this will be developed during Q1 of 2022, but some initial thinking has been set out below:

- ECOES will need to change to be able to receive and display the smart Metering and Distribution data items. This will be progressed as part of the related REC change.
- Monthly cleansing reports will need to be produced from the implementation of this CP and R0032 and initial population, through to the near completion of migration.
- These monitoring reports have not yet been defined, but will include the new data items and existing data items to enable recipients to validate and reconcile data to ensure the data is complete and accurate as far as is possible.
- Where items are currently derived in ECOES from other items (e.g. Energy Direction is derived from LLFC Id), these should be sourced directly from the new data items to ensure we achieve our goal of a 'single view of the truth' from as early as possible.

Once these new registration data items and supporting interfaces and processes have been introduced, the CCDG has recommended a period of data cleanse activity from February 2023 to October 2024. This will ensure that the data items that are critical to a successful migration and used in the target state is as accurate as possible when migration starts in **October 2024**.

Justification for Change (mandatory by originator)

Given the importance of the MHHS Programme, the early introduction of these key registration items will allow a sufficiently long period of data cleanse, which in turn will significantly de-risk the MHHS migration activities due to commence in late 2024.

To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code? (mandatory by originator)

BSC Section K 'Classification and Registration of Metering Systems and BM Units'
Estimated Implementation Costs (mandatory by BSCCo) Less than £1k of effort to implement the necessary document changes.
BSC Configurable Items Affected by Proposed Solution(s) (mandatory by originator) BSCP501 'Supplier Meter Registration Service' BSCP515 'Licensed Distribution'
Impact on Core Industry Documents or System Operator-Transmission Owner Code (mandatory by originator) R0032 'New Registration data items and processes to support the transition to Market-wide Half-Hourly Settlement (MHHS)'
Related Changes and/or BSC Releases (mandatory by BSCCo) P436 'Consequential BSC changes for Switching SCR (REC 3.0)'
Requested Implementation Date (mandatory by originator) 23 February 2023 as part of the standard February 2023 BSC Release.
Reason: This is the earliest practicable BSC release following the implementation of the CSS.
Version History (mandatory by BSCCo)
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Attachments: **Y**

BSCP501 redlined

BSCP515 redlined