

CP Progression Paper

Inclusion of new LDSO-mastered SMRS data items in the SVAA Data Catalogue, the REC EMAR Data Specification and BSCP604

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About This Document



Not sure where to start? We suggest reading the following sections:

- Have 5 mins? Read section 1
- Have 15 mins? Read sections 1, 4, 5 and 6
- Have 30 mins? Read all sections
- Have longer? Read all sections and the annexes and attachments
- *You can find the definitions of the terms and acronyms used in this document in the [BSC Glossary](#)*

This document provides information on a new Change Proposal (CP) 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 the SVG on 6 September 2022 to capture any comments or questions from Committee Members on this CP before we issue it for consultation.

There are eight 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 CP proposal form.
- Attachments B-G contains the proposed redlined changes to deliver the CP solution.



Committee

Supplier Volume
Allocation Group (SVG)



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1. Summary

Why change?

[CP1558 'New Registration data items and processes to support the MHHS transition'](#)¹, will introduce changes to BSCP501 'Supplier Meter Registration Service' and BSCP515 'Licensed Distribution' to specify four additional data items that each Licensed Distribution System Operator (LDSO) will be required to send to the relevant Supplier Meter Registration Agent (SMRA). The Supplier Meter Registration Service (SMRS) will then be required to send these new data items to the Electricity Enquiry Service ('EES', formerly known as 'ECOES').

However, before the EES can publish any new data items received from the SMRS, they must first be registered in the Retail Energy Code (REC) Energy Market Asset Repository (EMAR) Data Specification (DS) and the EES software will need to be amended to accommodate the data items. CP1558 did not include any change to the EMAR DS, so EES will not be able to publish the four new data items specified in CP1558 before this CP has been implemented.

Solution

It is proposed that the EMAR DS is amended to include the four new data items specified in CP1558 and the SVA Data Catalogue Volume 2 document is amended to include these new data items - plus two additional items which already exist in the EMAR DS. BSCP604 will also be amended to allow the LDSO to request Retrospective Manual Adjustment of these six data items. BSCP501 and BSCP515 will be amended to align terminology with respect to these six data items, and also remove redundant references to 1998 Trading Arrangements Indicator.

Note that no changes are required to the SVA Data Catalogue Volume 1, as the information sent by SMRS to EES is not specified as a Market Message (or data flow) in the EMAR DS.

Impacts and costs

This CP is expected to impact SMRAs and LDSOs.

This CP is a document only change and will impact BSCP501 'Supplier Meter Registration Service' and BSCP515 'Licensed Distribution' BSCP604 'Error Resolution and Retrospective Manual Adjustments' and SVA Data Catalogue Volume 2, with no BSC Central System changes required.

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¹ <https://www.elexon.co.uk/change-proposal/cp1558/>

The BSCCo costs for this CP will be less than £1,000 to implement the relevant document changes.

Implementation

This CP is recommended for implementation for 29 June 2023 as part of the standard June 2023 BSC Release. This is the date CP1558 will be implemented and this CP must be implemented with CP1558 to give full effect to the changes required by MHHS.

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2. Why Change?

What is the issue?

CP1558, which has been approved for implementation in the June 2023 Release of BSC Systems, will introduce changes to BSCP501 and BSCP515 to specify additional data items that each LDSO will be required to send to the relevant SMRA. The SMRS will then be required to send these new data items to the Electricity Enquiry Service ('EES', formerly known as 'ECOES').

However, before the EES can publish any new data items, they must first be registered in the REC EMAR DS, and the EES software will need to be amended to accommodate the data items. CP1558 did not include any change to the EMAR Data Specification, so EES will not be able to publish the four new data items specified in CP1558 before this CP has been implemented.

Also, at the time of approval of CP1558, BSCP604 'Error Resolution and Retrospective Manual Adjustments' was not live, as this document was introduced under P436 'Consequential BSC changes for Switching SCR (REC 3.0)' on 18 July 2022 as part of a Non-Standard BSC Release. Now that BSCP604 is live it will need to include the new data items being introduced by CP1558 to allow for manual correction during the migration/population period which will be coordinated by the MHHS Programme once the new data items are introduced.

Background

In its [MHHS transition consultation](#)², the Code Change and Development Group (CCDG) recommended that a subset of Registration Service data items required for MHHS are introduced before migration commences 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, leading to delays.

CP1558 and REC CP [R0032 'New Registration data items and processes to support the transition to MHHS'](#)³ were raised to collectively deliver CCDG's recommendation as follows:

CP1558 will:

- Create Connection Type, Connection Type Effective From Date (EFD), Connection Type Effective To Date (ETD) and Associated Import/Export Metering System Identifier (MSID) as new BSC owned data items in the EMDS.
- Recognise Energy Direction and Metered Indicator in BSCP501 and BSCP515.

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² <https://www.elexon.co.uk/consultation/ccdg-consultation-on-transition-approach-for-mhhs/>

³ <https://recportal.co.uk/group/quest/-/new-registration-data-items-and-processes-to-support-the-transition-to-market-wide-half-hourly-settlement-mhhs->

- 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 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).

However, CP1558 did not include any changes to the EMAR DS therefore R0032 could not make changes to the EES to display the BSC owned data items. As a result this new BSC CP and a new REC CP [R0066 'Inclusion of new DNO mastered SMRS Data Items in the EES'](#)⁴ has been raised to update EES.

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⁴ <https://recportal.co.uk/group/guest/-/inclusion-of-new-dno-mastered-smrs-data-items-in-the-ees>.

Proposed solution

It is proposed that the EMAR DS is amended to include the four new data items specified in CP1558:

Associated Import / Export MSID (DIddddd)

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

Connection Type (DIaaaaa)

This data item will identify the physical connection as one of four valid types for metered supplies: Whole Current (W), Low Voltage (LV) Current Transformer (L), High Voltage (HV) Current Transformer (H) or Extra High Voltage (EHV) Current Transformer (E).

It may also include a value of 'U' for unmetered connections to avoid ambiguity, should NULL or W be considered not appropriate.

Connection Type Effective From Date (EFD) (DIbbbbbb)

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

Connection Type Effective To Date (ETD) (DIccccc)

This is the date and time to which the value for Connection Type remains effective.

SVA Data Catalogue Volume 2 will be amended to include these four data items plus two further items which already exist in the EMAR DS:

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

This data item already exists 'virtually' in SMRS and is sent to the Central Switching Service (CSS) to differentiate between metered and unmetered MSIDs, but it is not yet recognised in standard BSC processes, which still use Measurement Class (MC). As all Unmetered Supplies (UMS) MSIDs will be settled HH under MHHS, there will no longer be a need to differentiate NHH UMS (MC B) from HH UMS (MC D). Once the MHHS transition is complete, MC will become redundant and can be discontinued.

Direction of Energy Flow a.k.a. meteringPointEnergyFlow (DI90033)

This is currently derived by the Electricity Online Enquiry Service (ECOES) based on the assigned Line Loss Factor Class (LLFC), but it should be set by the LDSO as an item in its own right. Energy direction is known at the point of connection, and it determines the relevant LLFC for Distribution Use of System (DUoS) charging, rather than the reverse.

BSCP604 will be amended to allow the LDSO to request Retrospective Manual Adjustment of these six data items.

BSCP501 and BSCP515 will be amended to align terminology with respect to these six data items, and also remove redundant references to 1998 Trading Arrangements Indicator.

Proposer's rationale

If this change is not implemented, SMRAs will not be able to publish the new data items on the EES, so they will not be available for use by MHHS.

BSCP604 requires amendment to allow these new data items to be corrected if necessary by the LDSO.

Proposed redlining

The proposed redlining for BSCP501, BSCP515, BSCP604, SVA Data Catalogue Volume 2 - Appendix A, SVA Data Catalogue Volume 2 – Appendix C and the EMAR DS Data Items can be found in attachments B-G of this paper.

4. Impacts and Costs

BSC Party & Party Agent impacts and costs

BSC Party & Party Agent Impacts

BSC Party/Party Agent	Impact
LDSOs	May incur costs associated with updating internal records and procedures to capture/record the new data items and the ongoing maintenance of these data items.
SMRAs	May incur costs associated with receiving and processing (including validating) the new data items

Central impacts and costs

Central impacts

This CP will only impact BSC documentation. No BSC Central Systems will be impacted.

Central Impacts

Document Impacts	System Impacts
SVA Data Catalogue Volume 2	None
BSCP501 'Supplier Meter Registration Service'	
BSCP515 'Licensed Distribution'	
BSCP604 'Error Resolution and Retrospective Manual Adjustments'	

Impact on BSC Settlement Risks

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Impact on BSC Settlement Risks

Elxon anticipate no impact on Settlement Risks associated with this change.

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Central costs

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The central implementation costs for this CP will be approximately £1,000 to implement the relevant document changes

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5. Implementation Approach

Recommended Implementation Date

This CP is recommended for implementation for 29 June 2023 as part of the standard June 2023 BSC Release. This is the date CP1558 will be implemented and this CP must be implemented with CP1558 to give full effect to the changes required by MHHS.

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6. Proposed Progression

Progression timetable

The table below outlines the proposed progression plan for this CP:

Progression Timetable	
Event	Date
CP Progression Paper presented to SVG for information	6 September 2022
CP Consultation	12 September 2022 – 7 October 2022
CP Assessment Report presented to SVG for decision	1 November 2022
Proposed Implementation Date	29 June 2023 (June 2023 Release)

CP Consultation questions

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

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

7. Recommendations

We invite you to:

- **NOTE** the proposed progression timetable for the CP; and
- **PROVIDE** any comments or additional questions for inclusion in the CP Consultation.