ELEXON

CP Assessment Report

CP1568 'Inclusion of new LDSO-mastered SMRS data items in the SVA 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 is the Change Proposal (CP) Assessment Report for CP1568 which Elexon will present to the SVG at its meeting on 6 December 2022. The Committee will consider the proposed solution and the responses received to the CP Consultation before making a decision on whether to approve CP1568.

There are nine parts to this document:

- This is the main document. It provides details of the solution, impacts, costs, and proposed implementation approach. It also summarises the SVG's initial views on the proposed changes and the views of respondents to the CP Consultation.
- Attachment A contains the CP proposal form.

Committee

Supplier Volume Allocation Group (SVG)

Recommendation

Approve

Implementation Date

29 June 2023

(June 2023 Release)

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- Attachment(s) B-G contain(s) the proposed redlined changes to deliver the CP1568 solution.
- Attachment H contains the full responses received to the CP Consultation.

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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'[2] and BSCP515 'Licensed Distribution'[3] to specify six 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 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.

Solution

It is proposed that the EMAR Data Specification is amended to include the four new data items specified in CP1558 and the SVA Data Catalogue Volume 2[4] document is amended to include these new data items - plus one additional item which already exists in the EMAR Data Specification. BSCP604 'Error Resolution and Retrospective Manual Adjustments'[5] 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 Data Specification.

Impacts and costs

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.

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

[1] https://www.elexon.co.uk/change-proposal/cp1558/
[2] https://www.elexon.co.uk/csd/bscp501-supplier-meter-registration-service/
[3] https://www.elexon.co.uk/csd/bscp515-licensed-distribution/
[4] https://www.elexon.co.uk/csd/sva-data-catalogue-volume-2-data-items/
[5] https://www.elexon.co.uk/csd/bscp-604-error-resolution-and-retrospective-manual-adjustments/

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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 standard June 2023 BSC Release, 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 Data Specification, 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, although it was intended to make this change is was missed in the final solution, therefore 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 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[6], 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'[7] were raised to collectively deliver CCDG's recommendation as follows:

CP1558:

- 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 Direction of Energy Flow, Metered Indicator and the four new BSC owned data items in BSCP501 and BSCP515.
- 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:

[6] https://www.elexon.co.uk/consultation/ccdg-consultation-on-transition-approach-for-mhhs/
[7] https://recportal.co.uk/group/guest/-/new-registration-data-items-and-processes-to-support-the-transition-to-market-wide-half-hourly-settlement-mhhs-

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- 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, despite its original intention, CP1558 did not create Connection Type, Connection Type EFD, Connection Type ETD and Associated Import/Export MSID as new BSC owned data items in the EMDS as a result R0032 could not make changes to the EES to display these 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'[8] has been raised to update EES.

[8] https://recportal.co.uk/group/guest/-/inclusion-of-new-dno-mastered-smrs-data-items-in-the-ees.

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3. Solution

Proposed solution

1. It is proposed that the EMAR Data Specification is amended to include the four new data items specified in CP1558:

   Associated Import / Export MSID (DIdddddd)
   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 will 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) (DIbbbbb)
   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.

2. SVA Data Catalogue Volume 2 will be amended to include these four data items plus one further item which already exists in the EMAR Data specification:

   Metered Indicator a.k.a. meteringPointMeteredInd (DI90035)
   This data item already exists 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.

   The Direction of Energy Flow data item already exists in the SVA Data Catalogue so it does not need to be included as part of this CP. This data item is currently derived by the 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.

3. BSCP604 will be amended to allow the LDSO to request Retrospective Manual Adjustment of the six data items introduced by CP1558.

4. 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.

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Proposer's rationale

If this change is not implemented, SMRAs will not be able to publish the new data items introduced by CP1558 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 and SVA Data Catalogue Volume 2 – Appendix C can be found in attachments B-G of this paper.

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4. Impacts and Costs

BSC Party & Party Agent impacts and costs

Participant impacts and costs

BSC Party & Party Agent Impacts	
BSC Party/Party Agent	**Impact**
LDSOs	Low costs associated with updating internal records and procedures to capture/record the new data items and the ongoing maintenance of these data items.
SMRAs	Lows 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 BSCP501 'Supplier Meter Registration Service' BSCP515 'Licensed Distribution' BSCP604 'Error Resolution and Retrospective Manual Adjustments'	None

Central costs

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. Initial Committee Views

SVG's initial views

The CP1568 Progression Paper (SVG259/04)[9] was presented to the SVG at its meeting on 6 September 2022. The SVG had no comments on the progression timetable.

One SVG Member stated that they realised there was a need for CP1568 to make the amendments to BSCP604, however they questioned why this CP was needed so that REC can add the four new data items to the EES.

Elexon needed to raise CP1568 to modify BSCP604 as well as the SVA Data Catalogue because the relevant data items hadn't been clearly defined in the SVA Data Catalogue by CP1558. Therefore the BSC data items were not included in the EES solution for R0032, hence the new REC CP R0066 is required to make changes to the EES to display the BSC data items introduced by CP1558.

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[9] https://www.elexon.co.uk/meeting/svg259/

7. Industry Views

This section summarises the responses received to the CP Consultation. You can find the full responses in Attachment H.

Summary of CP1568 CP Consultation Responses				
Question	**Yes**	**No**	**Neutral/No Comment**	**Other/ None**
Do you agree with the CP1568 proposed solution?	6	0	0	0
Do you agree that the draft redlining delivers the intent of CP1568?	4	2	0	0
Will CP1568 impact your organisation?	1 High	0 Medium	3 Low	2 None
Will your organisation incur any costs in implementing CP1568?	1 High	0 Medium	2 Low	4 None
Do you agree with the proposed implementation approach for CP1568?	5	1	0	0
Do you have any further comments on CP1568?	3	4	N/A	N/A

The consultation for CP1568 received 7 responses with a majority representing Distributors, 1 Supplier and a Service Provider.

Respondents unanimously agreed with the CP1568 solution.

A majority agreed that the draft redlining delivers the intent of CP1568. Those that disagreed suggested some amendments and tweaks to better align with REC change proposal R0066 to support MHHS. Elexon agreed with these suggestions and have made some changes to the CP1558 redlining to better reflect R0066 and ensure there is alignment.

These changes better align with R0066 and help deliver the intention of the Change Proposal, but otherwise do not have a material effect on the solution.

Document	Change since consultation
BSCP501	Amended to align the data item names with R0066 and include further detail on import/export data to address comment “REC change proposal R0066 has additional data items to support MHHS that are not referenced in the redlined documents.”
BSCP604	Amended to update and align with data items included to address feedback.
SVA Data Catalogue Volume 2	Amended Data Item Index and Data Item Definition to include Associated Import / Export details to address feedback.
BSCP515	Rebaselined onto version 21, which went live on 3 November 2022, but no material change, as EFD

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	and ETD data items have been included in the Data Spec and Data Catalogue.

Some low level impacts were identified and most respondents did not identify any additional costs in implementing CP1568. One respondent identified high impacts relating to the process introduced by CP1558 (rather than the changes CP1568 proposes to improve the detail related to CP1558).

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8. Recommendations

We invite the **SVG** to:

- **AGREE** the amendments to the proposed redlining for BSCP501, BSCP604 and the SVA Data Catalogue Volume 2 for CP1568 made following the CP Consultation;
- **APPROVE** the proposed changes to BSCP501, BSC515, BSCP604 and the SVA Data Catalogue Volume 2 for CP1568; and
- **APPROVE** CP1568 for implementation on 29 June 2023 [as part of the standard June 2023 Release].

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