

Change Proposal – BSCP40/02

CP No: 1295

*Version No: v1.0
(mandatory by BSCCo)*

Title *(mandatory by originator)*

Process for distribution of MDD Updates not included in D0269/D0270 flows

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

Background:

Market Domain Data (MDD) is the central repository of Supplier Volume Allocation (SVA) market information and is essential to the operation of the SVA arrangements as it includes critical parameters such as Standard Settlement Configurations, Profile Classes and Grid Supply Point (GSP) Groups. For the BSC arrangements to operate efficiently, it is essential that all participants use the correct data. Therefore, the generation, maintenance and distribution of this data needs to be managed in a secure and auditable manner.

Currently the majority of Market Domain Data (MDD) updates are sent over the Data Transfer Network (DTN) using the **D0269 'Market Domain Data Complete Set'** and **D0270 'Market Domain Data Incremental Set'** flows.

Certain MDD updates are sent separately as MS Word documents via email, these include:

- GSP Group Profile Class Default EACs (GGPCDEAC) – currently sent to NHHDA's;
- GSP Group Profile Class Tolerances – currently sent to NHHDCs and Suppliers; and
- HH Default EACs – currently sent to HHDA's, HHDCs, Suppliers and LDSOs.

These values have historically not been changed often and separately have not warranted a change to include them in the MDD update flows (the D0269 & D0270).

Why the need for Change?

It has come to ELEXON's attention that several participants are not receiving these email updates (many email addresses on the distribution list held by the MDD Agent (SVAA) are out of date) and are unaware that they should be receiving them.

In addition, the current process followed by SVAA of emailing the GSP Group Profile Class Default EACs to NHHDA's is not included within:

- **BSCP508** 'Supplier Volume Allocation Agent', Section 3.7 'Implementation of MDD Changes'.
- **BSCP505** 'Non Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS', Section 3.1.1 'SVAA sends Market Domain Data'.
- **SVA Data Catalogue** Volume 1
- **SVA Data Catalogue** Volume 2

Proposed Solution *(mandatory by originator)*

In order to reduce the risk of participants using out-of-date or incorrect MDD and to ensure that processes and procedures are accurately reflected within the respective documents, the following changes are proposed:

- **BSCP505, BSCP508 and the SVA Data Catalogue** will be updated to include reference to the fact that the GGPCDEAC data will be issued to NHHDA's by Email. Section 1 below provides further details.
- In order to facilitate the loading of manually-distributed MDD into the centrally-developed NHHDA and EAC/AA systems, ELEXON will in future provide SQL scripts to participants for automatically updating these systems each time the data is changed. These SQL scripts will be in addition to the Word documents, which will continue to be provided for reference. Section 2 below provides further details of the proposed process.

1. Changes to BSCP505, BSCP508 and SVA Data Catalogue Volume 1 & 2:

The manual process for distribution of GSP Group Profile Class Default EACs is not currently included in the BSC Procedures or other configurable items. The following changes will need to be incorporated into the following documents in order to ensure that they accurately reflect the current process:

- **BSCP508, Section 3.7.7 'Implementation of MDD Changes'** will be updated to include reference to the current SVAA process of emailing the GGPCDEACs to NHHDA's.
- **BSCP505, Section 3.1.1 'SVAA sends Market Domain Data'** will be updated to include reference to the current SVAA process of emailing the GGPCDEACs to NHHDA's.
- **The SVA Data Catalogue Volumes 1& 2** will need to be amended in order to remain consistent with BSCP508 and BSCP505. A new P flow 'GSP Group Profile Class Default EAC' will be referenced within both documents.
- In conjunction with the above changes, we have noted that the new data item 'GSP Group Profile Class Default EAC' in the new P flow is similar to the 'Researched Default EAC' data item which is referenced within the NHHDA and SVAA system documentation as well as the MRA Data Transfer Catalogue. We have therefore updated the SVA Data Catalogue Volume 2 Appendix D 'Data Item Having Synonyms' to include these two data items.

2. Updates to the current SVAA process:

In order to reduce further the risks associated with the current process (and remove the need for manual entry of MDD into the centrally-developed NHHDA and EAC/AA systems) we are proposing that an additional procedure be adopted by the Application Management and Development (AM/Dev) service provider, and ELEXON to provide users of these systems with SQL scripts for updating their databases. This procedure will operated in addition to the current process and will involve the following activities:

Proposed Process:

The AM/Dev service provider will develop two separate SQL scripts –

Script 1 will allow **NHHDA** participants to update:

- GSP Group Profile Class Default EACs (GGPCDEAC); and
- The Threshold Parameter.

Script 2 will allow **NHHDC** participants to update:

- GSP Group Profile Class Tolerances; and
- The smoothing parameter.

In addition, each script will allow participants to run a report that:

- will include the updated data; and
- will output tables in a format that can easily be submitted to ELEXON.

Once the script has been produced, ELEXON will distribute it to the Software Technical Advisory Group (STAG) mailing list.

Ongoing Responsibilities:

When the values change, ELEXON will request the script from the AM/Dev Service Provider. The AM/Dev Service Provider will update the SQL script with the new values and send to ELEXON who will notify participants and send the SQL script.

Each time the script is issued, ELEXON will ask recipients to:

- confirm receipt of the script; and
- email back the output of the script once it has been run.

This will provide assurance that the new MDD values have been loaded into systems correctly.

Use of the new process will be voluntary for NHHDCs and NHHDA. However, using the automated scripts will be easier and less risky than attempting to enter MDD manually, so NHHDCs and NHHDA will have a natural incentive to use the new process.

ELEXON will remain responsible for maintaining the STAG mailing list.

Document changes:

The AM/Dev service provider will update the EAC/AA and NHHDA Operations Guide in order to reflect the solution.

Benefits of the above changes:

It is envisaged that the above process will ensure that NHHDA and NHHDC have access to the relevant MDD data and that the data is presented in a clear and readable format when extracted from the relevant NHHDA and NHHDC systems. Although the current system of emailing the relevant MDD data to participants will remain, the above process will ensure that NHHDA and NHHDC have access to an efficient and effective process that allows them to extract all relevant MDD data.

Justification for Change *(mandatory by originator)*

MDD version 142 went live on 10 April 2008. In this version the GGPCDEACs were updated as

part of the Annual Recalculation of Average Fraction of Yearly Consumption (AFYCs). This was the first time these values had been updated; however, they will be reviewed (although not necessarily updated) annually from now on.

5 out of 13 NHHDA's did not receive the email update of these values, and at least one that did receive it did not apply them as they did not realise they had an obligation to do so or how to apply the revised values (the files received over the DTN can be automatically loaded). This has meant that any Default EACs (uncalculated) applied by these NHHDA's for Settlement Dates after the 10 April 2008 have been incorrect.

ELEXON has investigated the alternative solution of adding these data items to the D0269/D0270 data flows, and amending the centrally-developed NHHDA and EAC/AA systems to load them. However, the development cost and impact on Participants of this approach were deemed high¹, and we believe that the semi-automated approach described in this Change Proposal is a more proportionate and cost-effective response to the issues.

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

Section S, Supplier Volume Allocation
Section E, BSC Agents

The changes proposed as part of this CP will ensure that the process of determining the relevant MDD data is made more efficient and effective. This CP will improve on the current baseline and ensure that the market operates more effectively in the future.

Estimated Implementation Costs *(mandatory by BSCCo)*

BSC Agent Costs:

- The total development cost is approximately - £6000, which includes:
 1. Development of NHHDA script
 2. Development of NHHDC (EAC/AA) script²
- Future Script Updates - £800³

ELEXON Implementation Costs: the estimated ELEXON implementation cost is 20 man days, which equates to approximately £4400.

¹ The solution (which included BSC Agent activities and costs) was presented to the Software Technical Advisory Group (STAG) who deemed the costs to high in relation to what was being required. ELEXON investigated alternative solutions and proposed the option which is highlighted within this CP. STAG agreed that this option was more cost effective and pragmatic in its approach. ELEXON agreed with the rationale proposed by the STAG.

² If DCP0042 were to be implemented alongside CP1295, the cost of developing the NHHDC (EAC/AA) scripts will be reduced. This is because the scripts are similar, and so some efficiency savings could be made if they were to be developed together.

³ It is anticipated that future changes to the scripts will not occur on a frequent basis.

Configurable Items Affected by Proposed Solution(s) (*mandatory by originator*)

- BSCP508 ‘Supplier Volume Allocation Agent’
- BSCP505 ‘Non Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS’
- SVA Data Catalogue Volume 1
- SVA Data Catalogue Volume 2
- EAC/AA Operations Guide
- NHHDA Operations Guide

Impact on Core Industry Documents or System Operator-Transmission Owner Code (*mandatory by originator*)

N/A

Related Changes and/or Projects (*mandatory by BSCCo*)

N/A

Requested Implementation Date (*mandatory by originator*)

February 2010

Reason:

Next available release

Version History (*mandatory by BSCCo*)

Version 1.0

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Attachments: Yes

Attachment A Redline changes to BSCP508 (3 Pages)

Attachment B Redline changes to BSCP505 (2 Pages)

Attachment C Redline changes to SVA Data Catalogue Volume 1 (2 Pages)

Attachment D Redline changes to SVA Data Catalogue Volume 2 (1 Page)