Change Proposal – BSCP40/02	CP No: CP1401
	Version No: v1.0 *(mandatory by BSCCo)*

Title *(mandatory by originator)*

Replace residual negative EACs for pre-RF Settlement Days without affecting post-RF data

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

ELEXON's analysis of negative Estimated Annual Consumption (EACs[1]) values indicates that there are an estimated ~39,000 instances remaining in Settlement. These instances account for ~170GWh of energy, equating to £8.7m when multiplied by the Credit Assessment Price (CAP).

Previous attempts have been made to remove these negative EACs. The implementation of CP1311 'Replacing erroneous forward looking EACs' stopped the creation of new negative EACs, although it did not affect any negative EACs created before its implementation in June 2010.

The remaining negative EACs represent a known Settlement inaccuracy from which some Suppliers are benefitting at others' expense through Grid Supply Point (GSP) Group Correction[2]. This is also reducing the accuracy of Supplier performance against Performance Assurance Reporting & Monitoring (PARMS) Serial SP08a (% energy on actuals) because this is measured as AA÷(AA+EAC), and therefore may also impact on Suppliers' Supplier Charges.

Proposed Solution *(mandatory by originator)*

Summary of Proposed Solution

CP1401 will make it mandatory for Non Half Hourly Data Aggregators (NHHDAs) to identify all residual negative EACs that are still being settled (included in aggregation runs). It will also make it mandatory for Non Half Hourly Data Collectors (NHHDCs) to replace these with positive class average EACs with effective from Settlement Dates that have not yet been subject to a Final Reconciliation (RF) Run by deeming a read at RF.

Although this will create a negative Annualised Advance (AA), the EAC/AA system will apply a positive class average EAC. This will then resolve the issue for all non-crystallised Settlement Days. The energy volume for the Metering Systems concerned will be unchanged at any Post Final Settlement Run (PFSR), because the negative AA (if processed) will have the same value as the negative EAC.

Central Script Requirements

The BSCCo will provide a script to all NHHDAs. NHHDAs will be required to run this script, upon request by the BSCCo in order to identify all the remaining negative EACs for which each

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[1] Further information can be found in the minutes from SVG meeting 143 and in the paper presented to the PAB in May 2013 (PAB148/05).

[2] GSP Group Correction ensures that the total energy allocated to Suppliers in each Settlement Period in each GSP Group matches the energy entering the GSP Groups from the transmission system, adjoining GSP Groups and through embedded generation.

NHHDA is still appointed. Negative EACs will be listed by Supplier and NHHDC and will then be distributed to each NHHDC by the relevant Supplier.

This solution is primarily a one-off exercise. However, there have been isolated instances of negative EACs being sent manually to NHHDAs. To ensure that all residual negatives have been removed, this CP will require NHHDAs to re-run the script, and if necessary, NHHDCs to repeat the deeming exercise if requested by the BSCCo.

Requirement 1:
The Script must select, from each NHHDA's database, all EACs that are negative (i.e. less than zero) where:

- the NHHDA is still appointed to the Metering System or has a de-appointment date later than the most recent RF Run Data (to be provided as a parameter to the script);
- the appointment of the NHHDC sending the EAC (as at the Effective From Settlement Date of the EAC) overlaps with an NHHDA appointment for the same Metering System;
- no EAC or AA exists which would take precedence over the negative EAC when applying the aggregation rules i.e.:
  − an AA or EAC from the same NHHDC with a later or equivalent Effective From Settlement Date;
  − an AA with a later or equivalent Effective From Settlement Date from another NHHDC with an appointment which overlaps the AA and an NHHDA appointment for the same Metering System;
  − a positive EAC which overlaps the negative EAC and was provided by another NHHDC with a later appointment which overlaps the EAC and an NHHDA appointment for the same Metering System.

Requirement 2:
The Script must create a suitably-labelled .csv or pipe-delimited file for each combination of Supplier and NHHDC. Each File should list the Metering System ID, EAC Value and the Effective from Settlement Date for each negative EAC value, meeting the criteria in Requirement 1.

Requirement 3:
The Script will identify each combination of Supplier and NHHDC, where the NHHDC has at least one appointment for that Supplier. Where no negative EACs are found for that combination, a suitably-labelled file will be created with an indication that no negative EACs have been found.

Requirement4:
The NHHDA query will be run as a standalone script. This will be done via the Unix command line, rather than a front end form as part of the NHHDA application.

Timescales
Changes to BSCP504 and BSCP505 specify the timescales within which NHHDAs and NHHDCs must complete both the initial exercise and any subsequent ad-hoc request(s) (recognising that subsequent ad-hoc requests are likely to require less time for NHHDCs to complete as there will be

fewer, if any, residual negative EACs left) these times scales are as follows:

- Upon request by the BSCCo the **NHHDA** shall, within 10 Working Days, identify any negative EAC values in its database and shall notify the Supplier of these negative EAC values and associated details.
- The **Supplier** shall, within 5 working days of receiving such notification from the NHHDA, pass their details of negative EAC values and associated details to the NHHDC by email or other agreed means.
- Upon request from the Supplier, the **NHHDC** shall, within 60 Working days of the first request and within 10 working days of any subsequent request:
  - Calculate a Deemed Meter Advance in accordance with 4.5.2 e) and using the negative EAC value reported by the Supplier;
  - Use the resultant negative Deemed Meter Advance to calculate a negative Annualised Advance and positive replacement EAC in accordance with 3.3.11 and;
  - Submit the revised EAC (and optionally the negative AA) to the NHHDA in accordance with 3.3.11.

Further information about these timescales can be found in the 'Requested Implementation Date' Section of this document as well as the Draft BSCP504 and BSCP505 redlining in Attachments A and B.

Justification for Change *(mandatory by originator)*

The analysis presented to the SVG in January 2013 indicated that there were an estimated ~39,000 instances of negative EACs remaining in settlement. The fact that this volume of error is still present in settlement suggests that these negative EACs are not being corrected naturally through the Settlement process.

These negative EACs represent a known Settlement inaccuracy from which some Suppliers are benefitting at others' expense through GSP Group Correction.

As this impacts the accuracy of Supplier performance against PARMS serial SP08a, it may also be impacting on Suppliers' Supplier Charges.

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'.

Estimated Implementation Costs *(mandatory by BSCCo)*

The estimated ELEXON effort to implement this change equates to £1,680 or 7 mandays.

The Estimated cost to develop the required script is £5,500.

Configurable Items Affected by Proposed Solution(s) *(mandatory by originator)*
BSCP504 'Non-Half Hourly Data Collection for SVA Metering Systems registered in SMRS'
BSCP505 'Non-Half Hourly Data Aggregation for SVA Metering Systems registered in SMRS'

Impact on Core Industry Documents or System Operator-Transmission Owner Code *(mandatory by originator)*
None.

Related Changes and/or Projects *(mandatory by BSCCo)*
CP1311 'Replacing erroneous forward looking EACs' (implemented in 2010)
CP1362 'Removal of residual negative EACs' (rejected in 2012)

Requested Implementation Date *(mandatory by originator)*
February 2014 Release.
Reason:
The proposed document changes will become effective and the central script will be provided to NHHDAs as part of the February 2014 release. The BSCCo will request that NHHDAs run this script on 1 May 2014. NHHDAs will then have 10 Working Days to comply. If they choose to do so, NHHDAs may run this script prior to the BSCCo's request. However, it should be noted that any NHHDA that chooses to do so will still be obligated to run the script when requested by the BSCCo on the 1 May 2014.

Version History *(mandatory by BSCCo)*
V1.0 of this CP was raised on 27 September 2013.

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Attachments: **Yes** Attachment A - BSCP504 Draft Redlining Attachment B – BSCP505 Draft Redlining