	CP No: 1205
Change Proposal – BSCP40/02	*Version No:* 1.0

Title

D0095 reporting of immaterial superfluous consumption.

Description of Problem/Issue

The Non Half Hourly Data Aggregation Exception Report (D0095) provides Suppliers with details of anomalies in the data provided to Non Half Hourly Data Aggregators (NHHDA) by Non Half Hourly Data Collectors (NHHDC) and the Supplier Meter Registration Agent (SMRA).

The E03 and E04 exceptions report superfluous consumption. They are reported when the NHHDA receives an Annualised Advance (AA) (E03) or an Estimate Annual Consumption (EAC) (E04) respectively, for a period for which it is not appointed. These exceptions are reported to the Supplier that is appointed to the Metering System as recorded by the NHHDC. There are 3 main scenarios that will lead to an E03 or E04 being generated:

1) The NHHDC sends consumption data to an incorrect NHHDA *as well as* the correct NHHDA. This is always immaterial as only consumption for the appointed NHHDA will be used in Settlement.
2) The NHHDC sends consumption data to an incorrect NHHDA *instead of* the correct NHHDA. This is material as the Metering System will settle on default data, but in most cases an E01 exception (No AA or EAC sent to appointed NHHDA) will also be reported. This can then be considered immaterial and the E01 material.
3) The NHHDC sends consumption data to the correct NHHDA (as per SMRS), but there has been a failure in the appointment process, such that the intended NHHDA has not been successfully recorded in SMRS. This is always material as the Metering System will Settle on default data until the intended NHHDA has been successfully recorded in SMRS.

As reported in the 2007 BSC Auditor's Report the volume of D0095 exceptions at RF as at 31 March 2007 was 4,092,060. 73,016 of these were E03 exceptions and 1,514,997 were E04 exceptions. Most of the E03 and E04 exceptions are likely to be immaterial. Following a change of agent, it is believed that NHHDCs send the same AA and EAC to both the old and the new NHHDA. The data only applies to one NHHDA and so an E04/E03 is generated by the other. Only data for the appointed NHHDA will be used in Settlement and so the exception is immaterial. However the large volume of immaterial E03 and E04 exceptions inhibits Suppliers from identifying and addressing the material exceptions.

Proposed Solution

The NHHDA Check Data Collector Data (CDCD) functionality generates the D0095 exception report for Suppliers. The proposed solution is to change the CDCD functionality such that E03 and E04 exceptions are not reported for the Settlement Days 1 day either side of an NHHDA appointment date. This will eliminate the immaterial exceptions that result from the change of NHHDA. It will have the effect that only repeated instances of E03 and E04 exceptions are reported. The following gives details of the proposed solutions for the E03 and E04 respectively.

E03 Solution – AA received with no NHHDA appointment

The E03 exception will only be reported for Supplier x and NHHDC y when the Effective To Settlement Date of the AA from NHHDC y is more than 1 day before the appointment date of the NHHDA reporting the exception.

E04 Solution – EAC received with no NHHDA appointment

The E04 exception will only be reported for Supplier x and NHHDC y when the Effective From Settlement Date of the EAC from NHHDC y is more than 1 day after the de-appointment date of the NHHDA reporting the exception.

Once implemented this change will apply to all new E03 and E04 exceptions; this includes those generated in respect of Settlement Days that are prior to the implementation date where the Settlement Runs have not been completed.

It should be noted that this change is to the NHHDA software and associated technical documentation. These are Category 2 Configurable Items, and so no redlined text has been provided with this CP.

Justification for Change

The combined E03 and E04 exception count as at 31 March 2007 was 1,587,993. A large proportion of these exceptions are believed to be immaterial. Additional resources are required for Suppliers to distinguish the material exceptions from the immaterial. This incurs extra operational cost. This change will significantly reduce the volume of immaterial exceptions on the D0095 report, improving its effectiveness.

This change was originally presented to the Supplier Volume Group as a potential option to reduce immaterial exceptions in July 2006 (SVG65/03). Following an industry consultation, the SVG agreed (SVG67/05) that there was sufficient support for this option to seek an impact assessment through the change management process.

The implementation of this CP creates a low risk to Settlement in that the detection of some material errors will be delayed until a second EAC/AA is received by the NHHDA. However providing regular reads are taken any error will be picked up in time for RF. This is an improvement over the current D0095 where due to the immaterial "white noise", material errors may not be picked up at all.

To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code?

Section S 2.4 'Data Aggregators' and Annex S-2, Section 4.4 'Non Half Hourly Data Aggregation'

Estimated Implementation Costs

The BSC Agent implementation cost for this change is £26,214, however the BSC Agent cost of implementation of this change when combined with CP1206 and CP1207 is £44,310. This quote is for implementing the change on the Sun Solaris platform only.

The total estimated ELEXON implementation cost of this change when combined with CP1206 and CP1207 is £2,640 when included in a formal release.

Configurable Items Affected by Proposed Solution

NHHDA software and technical documentation. Once these changes have been implemented the reset_eusd script will have to be run by participants in order to correct the exceptions within the database. This will ensure that following the implementation of the change; E03/E04 exceptions will not be reported for the date of a change of agent for Settlement Days falling before and after the Implementation Date of the change.

Impact on Core Industry Documents or System Operator-Transmission Owner Code

None

Related Changes and/or Projects

The implementation of this Change Proposal is linked to:

CP1206   : D0095 reporting of immaterial Supplier inconsistencies.
CP1207   : D0095 reporting in respect of past NHHDCs.

Requested Implementation Date

February 2009 BSC Systems Release.

CP1187 'UNIX Upgrades for NHHDA and EAC/AA' is being implemented in the February 2008 release. Feedback from the Software Technical Advisory Group (STAG) is that it will take NHHDAs approximately one year to upgrade their systems following the implementation of CP1187. Logica have confirmed that it would be able to implement the change in time for the June 2008 release. If this were the case the functional changes would be made to the upgraded Sun Solaris version of NHHDA and not to the previous Tru64 version. Implementing the change to both the Sun Solaris and Tru64 versions of NHHDA is possible, but would incur additional cost and is not included in the Logica CMG quote.

Logica have estimated 7 weeks in total to carry out the work when combined with CP1206 and CP1207.

The Software Technical Advisory Group (STAG) have expressed that they do not want any functional changes to NHHDA until February 2009.

Version History

This is version 1.0 for Impact Assessment

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Attachments: No