

Change Proposal – F40/02 (Page 1 of 2)

CP No:628

*(mandatory
BSCCo)*

by

Title *(mandatory by originator)*

Design Deficiency in Non Half Hourly Data Aggregator (NHHDA) Instruction Supersede Logic

Description of Change *(mandatory by originator)*

1. It is a requirement that within the NHHDA system, following the failure to apply an instruction, a subsequent instruction which overlaps all data which should have been included in the failed instruction, is used to 'supersede' that previous failed instruction.
2. It was noted in March 2000 that there were instances where at change of NHHDA the old NHHDA was processing an Estimated Annual Consumption and not the Annualised Advance as supplied by the new Non Half Hourly Data Collector.
3. This occurred as a result of the following circumstances:
 - i. A NHHDC appointment (NH02) instruction containing details of a new NHHDC sent from SMRS to NHHDA failed.
 - ii. A subsequent partial NHHDA appointment instruction (NH01) containing a termination of NHHDA appointment and no metering system information (e.g. no DC appointment details) was sent from SMRS to the NHHDA.
 - iii. This NH01 NHHDA appointment termination instruction superseded the failed NHHDC appointment. The new NHHDC is not appointed to the metering system due to previous instruction failure and the fact that the NH01 does not include this information.
 - iv. The new NHHDC sent a meter reading to the old NHHDA and because the new NHHDCs appointment instruction failed. The metering system was settled on an estimate rather than with an actual reading.
4. Analysis has identified that when any NHHDA Appointment is received via SMRS then the NHHDA system will supersede all previous failed instructions for the relevant metering system that have failed prior to the date of the NHHDA appointment.
5. Because of the logic in the NHHDA system this could leave an inconsistency whereby information relating to a new NHHDC could be partially and incorrectly over written by information contained in the Data Aggregator Appointment. To resolve this issue it was determined that the logic should be changed so that if an incoming NHHDA Appointment is received containing a termination then no instructions should be superseded as a result.
6. As at the end of August 2000 there were a total of 68 instances across the entire NHHDA user base, with the numbers involved on individual databases ranging from 1 to 28. The instances are evenly spread across time and still occurring.
7. The results of the analysis were discussed at the STAG meeting in September 2000 and it was agreed that, although emergency action was not required, a change to the functionality should be made at the earliest convenient point.

<p>Proposed Solution(s) (mandatory by originator)</p> <p>These following options were discussed at the Software Technical Advisory Group (STAG)</p> <ol style="list-style-type: none"> 1. Do nothing – The number of incorrect supersede Instructions will continue to grow and will have an impact on data quality and the accuracy of initial settlement, because the correct EAC/AA will not be used in aggregation. 2. Change the NHHDA Software. The solution discussed has been aired since March 2000 and is considered by STAG members to be the only practical change to make to the NHHDA software.
<p>Justification for Change (mandatory by originator)</p> <p>Settlement will be more accurate because the latest AAs will be included in the settlement process.</p> <p>The risk of introducing inconsistencies on the NHHDA database will be reduced.</p> <p>There are operational issues at NHHDA's and Suppliers when aggregation results are inconsistent with expected results</p>
<p>Other Configurable Items Potentially Affected by Proposed Solution(s) (optional by BSCCo)</p> <p>None</p>
<p>Impact on Core Industry Documents (optional by originator)</p> <p>None</p>
<p>Related Changes and/or Projects (mandatory by BSCCo)</p> <p>None</p>

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<p><i>Originator's Details:</i></p> <p><i>BCA Name.....</i></p> <p><i>Organisation.....</i></p> <p><i>Email Address.....</i></p> <p><i>Date.....</i></p> <p><i>[BSC Panel Representative].....</i></p> <p><i>Organisation.....</i></p>	
<p>Attachments: N* (If Yes, No. of Pages attached:.....) <i>(delete as appropriate)</i></p>	