# Change Proposal – F40/01

**CP No: 1022**

***Version No: v1.0***

**Title** *(mandatory by originator)*
Metering System's SSC changed without a corresponding recalculation of EAC by NHHDC

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

Whilst NHHDA prevents the change of an SSC during an AA, there is no corresponding requirement for NHHDA to check for and to reject, a change of SSC instruction without a corresponding revision of its EAC. The NHHDA application only records the SSC that applied during an AA period and the SSC that was applicable on the EAC's EFSD. It does not record any further SSC changes against that EAC.

Whenever NHHDA checks to see if an SSC is being used, it will check all the SSCs held for all AA periods and the SSCs that was applicable on all the EAC's EFSD. It will not therefore include SSCs that have been assigned without a corresponding revised EAC being sent by the NHHDC since these will not been recorded by NHHDA. This means, for example, that a TPR can be added to a SSC that falls solely within this category.

When the change to an EAC's SSC occurs prior to the archive date, the EAC will not contain an SSC for the whole of the archive period. As the period without the SSC is prior to the archive date, OR2961 allows the instruction to be validated but the instruction will still fail due to a NULL Constraint violation on the 'Register Cons' table. This is because the SSC at the start of the EAC is not known. The OR3162 solution incorporated into NHHDA release 7.3.0 was to recover, if possible, the SSC from within the NHHDA application. This means that the instruction will be rejected if the missing SSC is prior to the Archive date and the SSC is not known in either the 'DC Dets' or 'Register Cons' tables (code NFP).

When the SSC changes without a corresponding revised EAC being sent by the NHHDC, the Aggregation run will be unable to locate the EAC for the revised SSC since NHHDA will have no record of it. The Metering System's default EAC will be used instead and an aggregation exception reported. However, no CDCD exception will be reported as CDCD only checks for inconsistencies between the SSC details held for PRS and DC. The CDCD checks do not extend to cover the SSC details held against the DC's AA & EAC data.

Section 4.6.11 of the NHHDA URS implies that the NHHDC should record a EAC upon a change to the Metering System's SSC, and they should inform the NHHDA of the change. The Party Service Line for the Non Half Hourly Data Collector (PSL120) does not appear to replicate this requirement, i.e. upon a change to a Metering System's SSC, a revised EAC should be calculated and sent to the NHHDA. The NHHDA URS, although it contains a specific validation check to ensure that the SSC does not change during a period of a Meter Advance (section 6.3.1), does not contain a similar corresponding check for the EAC.

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**Proposed Solution(s)** ***(****mandatory by originator)*

There are a number of possible solutions:

a) We could add an obligation on the NHHDCs in PSL120, to recalculate a EAC and send it to the NHHDA, whenever the SSC is changed. The NHHDA URS could then be enhanced to include an extra instruction validation check to ensure that whenever a Metering System's SSC is changed that there is a corresponding revised EAC issued by the NHHDC. Alternatively a new extra CDCD exception check could be created to scan for changes to a Metering System's SSC without a corresponding EAC, but this would additionally require modifications to the D0095 DTC dataflow.

b) The NHHDA application could be modified to assume that where a Metering System's SSC was changed without a corresponding EAC being sent by the NHHDC, that the EAC for the previous SSC also applied to the new SSC. This would have implications on how the SSC/EAC data is recorded in the 'Reg Cons' table, and its use by instruction validation and processing, aggregation, TPR SSC use checking , etc.. There would be no changes to the NHHDC's application, PSL120, etc.

One of the deciding factors between the two solutions proposed above, is whether it is correct for a Metering System's SSC to be changed without a new EAC being recalculated by the NHHDC and be forwarded to the NHHDA with the SSC change. There may be other solutions to consider.

**Justification for Change** *(mandatory by originator)*

This scenario was first raised during theoretical discussions concerning NHHDA archiving. This was documented in an email from Richard Ascough at Logica on 28th November 2001 (see attachment).

An SQL query was distributed to STAG members to determine whether this problem existed in practice. The conclusion of the resulting investigation was that this problem did indeed exist. For example, Yorkshire had 606 Metering Systems where there was SSC change with no corresponding EAC change.

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| **Configurable Items Potentially Affected by Proposed Solution(s)** *(optional by Originator)* | |
| **Impact on Core Industry Documents** *(optional by originator)* | |
| **Related Changes and/or Projects** *(mandatory by BSSCo* | |
| **Requested Implementation Date** ***(mandatory by originator)***<br><br>**Reason:** | |
| **Agreed Release/Implementation Date** ***(mandatory by BSCCo)*** | |
| ***Originator's Details:***<br><br>***BCA Name … ……***<br><br>***Organisation … ELEXON……***<br><br>***Email Address… ……***<br><br>***Date 05/11/03……*** | |
| Attachments: Y/N* (If Yes, No. of Pages attached:.....)<br>*(delete as appropriate)* | |