

<p align="center"><b>Change Proposal – BSCP40/02</b></p>	<p><b>CP No:</b> CP1418</p> <p><i>Version No: 1.0</i> (mandatory by BSCCo)</p>
<p><b>Title</b> (mandatory by originator)</p> <p>Validation of D0041 flows</p>	
<p><b>Description of Problem/Issue</b> (mandatory by originator)</p> <p>There has been a recent issue with erroneous <a href="#">D0041 ‘Supplier Purchase Matrix Data File’</a> data flows being created by a Non-Half Hourly Data Aggregator (NHHDA) where an aggregation run was performed twice for the same Settlement Date and Settlement Run Type. This resulted in D0041 flows being created with duplicate instances of the same combination of:</p> <ul style="list-style-type: none"> <li>• Profile Class (PC);</li> <li>• Distributor;</li> <li>• Line Loss Factor Class (LLFC);</li> <li>• Standard Settlement Configuration (SSC); and</li> <li>• Time Pattern Regime (TPR).</li> </ul> <p>However, the duplicate rows had differing consumption values and Metering System Identifier (MSID) counts due to the two aggregation runs being performed at different times.</p> <p>Both the NHHDA and the Supplier Volume Allocation Agent (SVAA) systems supported the creation and processing of these erroneous files, which allowed the erroneous volumes to enter Settlement. D0041 flows should never contain duplicate PC/Distributor/LLFC/SSC/TPR rows. This error therefore highlights a limitation in both systems for permitting the creation and processing of the files. Additional validation checks are required to ensure that this issue does not arise again.</p> <p>The Supplier Volume Allocation Group (SVG) considered this problem and potential solutions at its meeting on 3 June 2014 (<a href="#">SVG160/02</a>). It agreed to progress the solution proposed by this CP to prevent this issue from reoccurring.</p>	
<p><b>Proposed Solution</b> (mandatory by originator)</p> <p>This CP proposes to produce a temporary staging table within the SVAA system when it is processing individual D0041 flows. This temporary staging table will create a unique record for all PC/Distributor/LLFC/SSC/TPR rows loaded. If a duplicate combination of these items is inserted into the table, an error message will be produced and the file will fail processing. Upon failure, the error log will detail the reason for the failure. The SVAA will then contact the originating NHHDA for the D0041 flow and advise the reason for the failure.</p> <p>This solution will only impact the SVAA systems and will not affect the D0041 flow itself. It is therefore anticipated that this CP will not impact any BSC Parties or Party Agents.</p>	

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

Whilst the SVAA system did not play a part in the creation of the erroneous D0041 flows, it was the system used to load the files following their creation. When loading the erroneous D0041 flows, no warning messages were raised stating that duplication of PC/Distributor/LLFC/SSC/TPR consumption existed within the files. This has highlighted a lack of validation within the SVAA system.

When considering this issue, the SVG also considered a solution that would make changes to the NHHDA systems to prevent erroneous rows from being produced. While the central impacts and costs would be less than for the proposed solution, there would be participant impacts and costs. The SVG therefore considered that the proposed amendments to the SVAA systems would be the more pragmatic option to resolve this issue.

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

This CP relates to Section S ‘Supplier Volume Allocation’.

**Estimated Implementation Costs** (mandatory by BSCCo)

£32.6k, required to develop, test and deploy the changes to the SVAA systems and update the relevant documentation. No participant costs are anticipated.

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

SVAA User Requirements Specification (URS)

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

None identified.

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

None identified.

**Requested Implementation Date** (mandatory by originator)

26 February 2015 (February 2015 BSC Systems Release)

**Reason:**

The system changes required for this CP have a 13 week lead time. The February 2015 Release is therefore the earliest viable Release that this change can be included in.

**Version History** (mandatory by BSCCo)

ELEXON raised version 1.0 of this CP on 1 July 2014.

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Attachment A: SVAA URS proposed redlining v0.1 (1 page)