| Change Proposal – BSCP40/02 | CP No: 1484<br>*Version No: 1.0*<br>*(mandatory by BSCCo)* |
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**Title (mandatory by originator)**

Introduction of Additional SVAA Validation at SVA Run time

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

A number of Trading Disputes have been caused by the use of erroneous data in the Supplier Volume Allocation (SVA) run[1]. The SVA Agent (SVAA) Operator currently checks for completeness (i.e. if all the expected data files been received) and duplication of data. However, there are no checks on the consumption data or Metering System Identifier (MSID) counts within the files to ensure they are appropriate. Additionally, there are situations where the SVAA Operator is aware of a problem but cannot get the Data Aggregator (DA) to submit valid data in time for the SVA run in a timely manner. In these situations, the SVAA Operator needs the ability to default data as appropriate.

Furthermore, if the SVAA run is initiated and an exception report of out of tolerance Group Correction Factor (GCF) is created, then the SVA Run will not be interrupted (although it may fail). The current tolerances are not optimal and need to be replaced with more tailored thresholds.

**Proposed Solution (**mandatory by originator)

[1] An SVA run is the Volume Allocation Run which processes the DA files and allocates the totals to Supplier Balancing Mechanism Units (BMUs)


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It is proposed that three new processes are implemented:

**Business Use Case 1: Validate an individual DA data flow**

In the lead up to each Volume Allocation Run (VAR), Data Aggregators (DA's) submit files of consumption data for each of the Grid Supply Point (GSP) Groups in which they operate. Each file needs to be validated to ensure that it is suitable for use in Settlement. If not, the DA needs to be notified. As well as basic validation checks, there are checks on the plausibility of the consumption values (based on how much they vary from previous similar data), intended to identify any major errors or discrepancies.

**Business Use Case 2: Ensure there is a complete set of DA data ready for the VAR**

Before the VAR can be carried out, there needs to be a full set of data from DA's, of suitable quality for use in Settlement. This Use Case sets out the main steps and business rules, as applied to data for one GSP Group for a specific Settlement Day and Settlement Run. It is recognised that the SVAA Operator will need to carry out the process for all GSP Groups and for several different Settlement Runs within the same time window on a given Business Day. Although, this is similar to the existing data marshalling process[2], it gives the SVAA Operator the ability to default data in two new ways:

- Substituting default data when required (manually); and
- Substituting default data when required (automatically).

This process may follow the quarantining of the suspect file identified in Business Use Case 1. It is intended to make the defaulting process easier for the SVAA Operator than is currently possible.

**Business Use Case 3: Carry out the VAR and check results**

When the VAR calculations are run, consumption figures are available for each GSP Group as a whole. This makes it possible to perform additional checks on the results to identify whether the results are plausible.

This use case summarises the steps required for a GSP Group for a given Settlement Day and Run. The process is repeated for every GSP Group.

This use case focuses on the checks made on the input data and the results, and does not go in to any detail on how the actual volume allocation calculations are done, as these are not being changed. Two checks are identified:

- Checks on volume to be corrected in each GSP Group and Settlement Period. The check will provide an exception report of any volumes outside defined tolerances; and
- Checks on each GSP Group Correction factor per Settlement Period. The check will provide an exception report of any volumes outside defined tolerances.

These checks highlight to the SVAA Operator that following the checks in Business Use Cases 1 and 2 that there are still issues that need to be resolved. The exception report and data will be provided to the Balancing and Settlement Code Company (BSCCo) for investigation. The expectation is that this process will be infrequent following the implementation of Business Cases 1 and 2 and is intended to trap any residual issues that need to be addressed.

[2] The data marshalling process ensures that all files for a VAR run have been received or defaulted as appropriate.


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| **Justification for Change** (mandatory by originator)<br>Significant error in data quality impacts all parties and gives rise to Trading Disputes. Some error can cause financial hardship to smaller participants that cannot be resolved in a timely manner. These changes are intended to trap, replace or default erroneous data in a more efficient manner than is currently possible. |
| **To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code?** (mandatory by originator)<br>BSC Section S – 'Supplier Volume Allocation' |
| **Estimated Implementation Costs** (mandatory by BSCCo)<br>TBC following Impact Assessment |
| **Configurable Items Affected by Proposed Solution(s)** (mandatory by originator)<br>• BSCP 508 'Supplier Volume Allocation Agent'<br>• BSC Service Description for Supplier Volume Allocation<br>• Supplier Volume Allocation Agent Application.<br>• BSC Central Services SVAA 001 SVAA Morning Checks and VAR process (and maybe others) |
| **Impact on Core Industry Documents or System Operator-Transmission Owner Code** (mandatory by originator)<br>No non-BSC documentation identified but may impact data aggregator LWIs. |
| **Related Changes and/or Projects** (mandatory by BSCCo)<br>CP 1478 'Automate the loading of the DF Matrix' |
| **Requested Implementation Date (mandatory by originator)**<br>November 2017 Release |
| **Reason:** To align with system release timescales. |
| **Version History (mandatory by BSCCo)** |
| ***Originator's Details:*** |
| ***BCA Name:*** *Kevin Spencer* |
| ***Organisation:*** *ELEXON* |


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| Attachments: **~~Y~~/N*** (If Yes, No. of Pages attached: **…….**)<br><br>*(delete as appropriate)* |


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