Change Proposal – BSCP40/02	CP No: 1262 *Version No: v1.0* *(mandatory by BSCCo)*

Title *(mandatory by originator):* Service Improvements - Enhancements to the SVA Applications

Background

As part of the Business Process Operator (BPO) contract negotiations a number of potential system enhancements to the SVA Applications were identified by Logica, which are intended to support operational processes and improve the security and efficiency of these Applications. There are no impacts on Configurable Items documentation, no impact on BSC Party or Party Agent systems and processes and they will be done at zero cost during the Project ISIS Implementation phase. These enhancements will automate some of the more manual processes within the BSC Systems, and are an example of some of the service improvements which Project ISIS is delivering.

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

Listed below is the current status for 14 situations over the SVA Applications, followed by the suggested enhancement:

Current Status of SVAA System

1) **Automate the selection of GSP Groups for DF Runs** - The GSP groups to be selected for the DF run as well as the timetable for the DF runs is manually maintained by the current SVAO in a control file on the UNIX server. This file is manually used to setup the DF runs with SVAA.

2) **Automate the selection of default files from the RF run for DF runs** - At present when a dispute run is required to be scheduled only those files related to a DF run should be included in the run. The remainder of files should be selected from the previous RF run (potential R3 if the RF run used defaulted files). If a file is received for a DF run for a GSP group that is not in the run, then these files will be included in the run unless a manual intervention is carried out. The current SVAA have implemented a fix into Data Marshalling to reduce the chance of this happening, however Logica as the future SVAA believe that a fix to the core application should also be implemented to ensure this never occurs. In addition the current SVAA have produced the default files check script to manually list the files that should be defaulted for the DF run.

3) **Automatic Upload of Temperature Data** - At present the temperature data is received daily via email to the current SVAA. This data is manually entered through the front end and then a script (Validate_DPP_temps) is run to validate the data in the email against the data entered.

4) **SVAA to display current user and system** - With the exception of SVAA the SVA Applications all display the currently logged in username, system, date and time on the front end. This allows for users to quickly check the system to which they are connected (live, DR, test) and is used in screen shots for audit purposes as well as checking processes are being run on the correct system.

5) **Increase number of GSP Groups viewed through the SVAA front end** - The SVA Application was developed when it was used for the 12 GSP Groups within the England and Wales market. With the introduction of two additional GSP Groups at BETTA, the screens that display the GSP Groups have to be scrolled in order to view and/or select the complete list of GSP Groups. At present the SVAO have to take 2 screen shots for audit and testing records when they are listing out the GSP Groups.

6) **Improve the SVAA front end performance** - At present the SVA Application is not used to its full potential, partially because of the poor performance on a number of screens. The SVAO have resorted to using UNIX scripts to perform some of the functionality already present in the application. For instance the Data File screen can take up to 3 minutes to display. Also, the performance of the View Files screen does not make it possible for the operators to use this screen.

7) **SVAA to display all missing files for all settlement runs on a particular day** - Logica noticed that there is no function within the SVA Application to display all missing files for all runs on a particular calendar day. As a result they either have to view each of the runs in turn, or utilise their work around script (File Check Menu).

8) **Use modern technology to deliver Tele-switch files to SVAA** - At present the Tele-switch data is received by the current SVAA using a dedicated PC and modem. The Tele-switch agent dials up the machine each night, which has been isolated from the SVA network, and places a file on the machine. In the morning the SVA O&H team switch the machine back to the SVA network and manually FTP the file to the UNIX server.

9) **SVAA to produce a complete list of LLFs for a Distributor** - During the due diligence activity the current SVAA mentioned that one of the key limitations of the SVAA application is that it is not able to produce a list of Line Loss Factors for a particular Distributor via the front end. At present they manually run a UNIX script to query the database through the backend.

10) **No password change functionality** - It is common knowledge that the auditor has in the past raised issues with the NHHDA and EAC/AA applications in that standard password changing functionality and password expiry was not implemented. As a result a change request was raised that the NHHDA and EAC/AA application modified to meet the current audit requirements. This is still an issue with the SVA agent applications. It was also noted that for some of the applications common user accounts were used to undertake various activities so auditing of changes to data by particular users was not possible.

Proposed Solution *(mandatory by originator)*

Logica's proposed solutions are:

SVAA System Solutions

1) **Automate the selection of GSP Groups for DF Runs -** A new sub-form will invoked from the Maintain Settlement Calendar form. When an instruction is received from ELEXON to carry out a DF run, the operator uses the Maintain Settlement Calendar form to add a new record in the Settlement Calendar for the DF run. The new form would allow the operator to enter the GSP Groups to be included in the DF run. This would also require a new database table to hold this information. This change effectively provides a more robust, improved user interface within the core application. The Logical Design, Physical Design specification and Operations Guide would be amended for SVAA.

2) **Automatic select of default files from RF for DF runs** – Logica as the developer propose that the application be modified so that these files are automatically selected. This is a software change to the initiation of the SSR Run to automatically select the files from the RF run for use in the DF run for those GSP Groups which are not in the dispute process (but which are selected for the DF run). This is effectively the functionality provided by the existing SVAA script. The Logical Design, Physical Design specification and Operations Guide would be amended for SVAA.

3) **Automatic Upload of Temperature Data** - It is proposed that the existing SVAA validation script is incorporated into the application so that the data is automatically loaded from the email hence reducing the risk to settlement. This is a software change. A new loader is required to load the information from the email, once this has been placed at the appropriate location, plus a new Oracle form from which the operator would invoke the loader. At the same time the necessary validations would also be performed. The loader would be based on the existing validation script. The Logical Design, Physical Design, and Operations Guide would be amended for SVAA.

4) **SVAA to display current user and system** - It is proposed that SVAA system would also display the currently logged in username, system, date and time on the front end. This is a software change. No baseline documents are impacted.

5) **Increase number of GSP Groups viewed through the front end** - It is proposed that these screens are increased to 15 rows displayed to allow all this data to be seen without the user having to scroll this display. This is a software change. No baseline documents are impacted.

6) **Improve the SVAA front end performance** - It is proposed that the SQL behind these screens is modified to improve its performance. This is a software change. The change would be restricted to improving the performance of the Oracle Forms. Functionality would remain unchanged. No baseline documents are impacted.

7) **SVAA to display all missing files for all settlement runs on a particular day** – Logica as the developer are proposing to build this new functionality into the SVAA application, as they believe it is essential the SVAA use the application correctly without the need to access the UNIX server to run workaround scripts. This is a software change. The change would be to incorporate the functionality of the current SVAA work around script within a new form.

8) **Use modern technology to deliver Tele-switch files to SVAA** - Overnight the Energy Network Association (ENA) will now deliver the tele-switch files to the future SVAA using FTP across the internet. The ENA will push the files to a dedicated account in the same way that contract notifications are received by the CVA applications. The future SVAA will poll this directory and forward the tele-switch file(s) automatically to the SVA application server. They will also send an acknowledgement email to the ENA to confirm that the file has been received. (It should be noted that this will not confirm that the file contains the correct data or has been processed successfully.) The ENA will also send a copy of the tele-switch file to a future SVAA email address. This file will only be used should the FTP fail for any reason. There are no plans to automate the processing of the email. The future SVAA believe that now is the time to address this issue and bring the service into a more modern way of operations. It is also noted that there are several occasions each year when the dial up does not work correctly. This is a procedural and software change. A new script will be written to poll the directory on the FTP server and copied across to the correct location on the SVAA production server. This script will also send an acknowledgement to the ENA to confirm that the file has been received. The tele-switch agent would need to be informed of this proposal and the process agreed with them.

9) **SVAA to produce a complete list of LLFs for a Distributor** - It is proposed to include the report as a part of the SVAA software. This is a software change. A new Oracle form would be developed to provide the operators with an interface to invoke the report. The basic logic of the existing script (LLF_Confirmation) would be incorporated in the SVAA database. An Oracle report would need to be developed to present the data provided by the Oracle database package. The operator would invoke the report from the Oracle form, which would then generate the report. The report calls the database package to get the data. The DFS would be amended to record the change.

10) **No password change functionality** – Logica as the developer propose to implement the fix which was applied to the NHHDA and EAC/AA applications to the SVAA Applications. This is a software change. The Oracle Forms developed for NHHDA and EAC/AA would be amended for SVAA and the minor apps. The DFS and system overview / user guide for MDD, PA and DM would be amended to record the change. The Logical Design, Physical Design, Operations Guide and System Management Guide would be amended for SVAA.

Justification for Change *(mandatory by originator)*

These are recommendations by Logica as the Developer and the future SVAA to enhance the operational processes, functionality and security of the SVA Applications, and will be delivered at zero Service Provider cost.

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 is applicable to Objective (d) - Promoting efficiency in the implementation and administration of the balancing and settlement arrangements.

Estimated Implementation Costs *(mandatory by BSCCo)*

The testing will be done as part of the Operational Acceptance Testing which is required for the ISIS Implementation Project, therefore there will be no cost to test and implement these solutions.

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

The SVAA software is to change.

The Logical Design, Physical Design, Operations Guide, the Detailed Functional Specification (DFS), the System Management Guide of the SVAA and the remainder of the SVAA documentation would be amended.

The DFS and the User Guide for the Pool Application would be amended.

The DFS and the system overview document for the MDD Application would be amended.

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

None

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

Project ISIS – BPO Implementation

Project Isis was created to ensure that the BSC Systems operated and maintained by the main BSC Agents continue to be robust and efficient beyond the end of the current contracts. The Operation contracts expire in 2009 and the Maintenance contacts expire in 2010. ELEXON is procuring these two elements separately.

Requested Implementation Date ***(mandatory by originator)*****:** February 2009 Release, with the changes taking effect on 23 March 2009

Reason: The 23 March 2009 is the same date as the BPO Implementation.

Version History ***(mandatory by BSCCo)***

N/A

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