

Change Proposal – BSCP40/02	CP No: 1347 Version No: v1.0 (mandatory by BSCCo)
Title: Enhancements to SVAA Process for Distribution of Consumption Data for Embedded Networks	
Description of Problem/Issue <i>(mandatory by originator)</i> <p>With effect from April 2010, the Supplier Volume Allocation Agent (SVAA) implemented a reporting solution for providing Host LDSOs with aggregated consumption data for embedded networks in their area. This solution was intended to support portfolio billing of embedded networks, as permitted by Modification Proposal P246 ('Reporting to LDSOs of Aggregated Metering Data for Embedded Networks').</p> <p>At that time the SVAA solution was seen as a temporary measure, to be replaced by a central agent who would deliver a more sophisticated solution, including support for complex nested network configurations. For this reason, the solution implemented in 2010 (and still operational today) is not fully robust in the following areas:</p> <ul style="list-style-type: none"> • It does not use the Data Transfer Network (DTN), which is the standard mechanism for exchange of data in the SVA market. Instead it uses an email-based solution, in which data is zipped up and emailed on a monthly basis. This solution was acceptable for a short-term workaround, but creates additional costs and risks for the recipients of the data, as they must use complex and error-prone manual processes to handle the monthly emails; • The email is not sent in the same timescales as other SVAA reports. Typically Host LDSOs will receive the email one Working Day after receiving the last of the corresponding D0030 reports (containing billing data for Metering Systems on their own network). This delays the production of invoices for embedded networks; and • The zipped files contain data for all embedded networks in the GSP Group corresponding to the Host LDSO's distribution service area. This would potentially include directly connected networks built by other LDSOs in that GSP Group (which are not relevant to the Host LDSO). <p>The DCUSA Working Group on IDNO/DNO Billing Governance has now concluded that there is no business case for appointing a new central agent, and that the enduring solution should be closely modelled on the current one. The current solution should therefore be improved to address the issues listed above, and make it suitable as an enduring solution.</p>	
Proposed Solution <i>(mandatory by originator)</i> <p>In order to address the issues listed above, the following changes are required to the existing P246 solution:</p> <ol style="list-style-type: none"> 1. Amend the SVAA script that was introduced for P246 to send data files over the DTN, rather than via monthly email. This implies the following changes to the format of the files produced: <ul style="list-style-type: none"> ○ In order for them to be transmitted through SVAA's DTN gateway they should be in Pool File Format (as used for other reports produced by SVAA), rather than User File Format (UFF); 	

- Other minor formatting changes may be required to achieve compliance with the DTC Change Proposal for the new D-flow. Further clarity on these will be available following the IREG meeting on 13/14 April, but they are expected to include:
 - Changing the D-number in the header;
 - Changing the three-character group identifier for the ‘SUP’ record (recognising that this record actually contains Embedded Distributor details rather than Supplier details); and
 - Populating the Trading Party Id field (in the ‘SUP’ group) with a null value, rather than the IDNO Distributor Id.
- 2. Amend the timing of the SVAA script so that (barring exceptional circumstances) Host LDSOs receive the new D-flow over the DTN on the same day as the corresponding D0030 (with no change to the current timescales for sending the D0030s).
- 3. Introduce a simple, lightweight process that allows an LDSO (other than the Host LDSO) to identify LLFC(s) that relate to directly-connected networks, and which should therefore be excluded from the data sent to the Host LDSO under P246. The following process is proposed:
 - The SVAA script will be amended to refer to a configuration file of directly-connected LLFCs, and exclude these from the P246 files. (Given the rarity of directly-connected networks built by LDSOs other than the Host LDSO the size of this list is expected to be small. For sizing purposes SVAA should assume a total of four LLFCs initially growing by two per annum subsequently);
 - To provide transparency on which LLFCs (if any) are excluded from the P246 report, a copy of the configuration file (in human-readable format) will be made publicly available on the ELEXON portal;
 - Changes to the list of excluded LLFC(s) may be requested via the ELEXON portal or BSC Service Desk.

Note that these changes will be introduced on a Calendar Day basis i.e. files produced by Volume Allocation Runs performed on or after the Implementation Date will be distributed over the DTN (even if the Settlement Date to which they relate predates the Implementation Date).

In the month of implementation, Host LDSOs will receive an incomplete ZIP file containing only those files generated prior to the implementation (with subsequent files sent over the DTN).

Justification for Change *(mandatory by originator)*

Elements 1 and 2 of the proposed solution (i.e. sending data over the DTN rather than email) reduce the need for costly and error-prone manual processes, and facilitate fully-automated calculation of charges for embedded networks. They also ensure a consistent approach with other Supplier and LDSO reports produced by SVAA, all of which are sent over the DTN.

Element 3 of the proposed solution (i.e. providing a mechanism for excluding directly-connected networks from the reports sent to Host LDSOs) resolves a potential inconsistency with BSC paragraph S2.7.7(b), which allows aggregated metered data to be provided to any LDSO “upstream of a

customer". This does not cover reporting of data for directly-connected networks to the Host LDSO.

Because this Change Proposal is effectively completing the P246 solution (and benefits LDSOs) we propose that the direct costs of implementation (as charged to BSCCo by its agents) should be treated as P246 implementation costs for the purposes of Annex D-2 of the BSC. This means that they will be recovered from all LDSOs in equal proportion (rather than being recovered from Suppliers or Generators like other BSC costs).

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 change relates to the reporting provisions in Section S2.7.7(b) of the BSC, as introduced by Modification Proposal P246. Its purpose is to:

- Bring the implementation of S2.7.7(b) up to a similar standard of robustness as other SVAA reporting processes, by using the industry-standard DTN rather than email; and
- Provide a mechanism for restricting the data sent to Host LDSOs to that explicitly permitted under S2.7.7(b) i.e. excluding directly-connected networks operated by other LDSOs in the GSP Group.

Estimated Implementation Costs *(mandatory by BSCCo)*

SVAA has assessed the cost of implementing these changes to the P246 solution as ~£12.6k to implement in the November 2011 Release, or ~£26k to deliver as a stand-alone. The savings for delivery in November 2011 arise because some of the software components affected by this Change Proposal are also impacted by Modification Proposal P253.

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

Redlined BSCP508 changes are attached.

Changes are also required to the SVA Data Catalogue, but these should be based on the DTC CP (once that is finalised).

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

None.

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

None.

Requested Implementation Date (*mandatory by originator*)

November 2011 BSC Release

Reason:

The November 2011 BSC Release includes Modification Proposal P253 (*‘Improving the accuracy of the credit calculation for SVA participants’*), which has a minor impact on the P246 solution. There are therefore synergies (e.g. shared testing effort) in implementing this change at the same time.

A November 2011 Implementation Date is subject to LDSOs confirming (through the impact assessment process) that this allows them sufficient time to implement the changes.

Version History (*mandatory by BSCCo*):

Version 1.0 was raised on 27 April 2011.

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Attachments: Y (If Yes, No. of Pages attached: 3)