**Redlined BSCP508 text for CP1484 "Introduction of Additional SVAA Validation at SVA Run time'**

This CP proposes changes to section(s) 3.2A, 3.2B, 3.3 and 4. We have redlined these changes against Version 24.0.

**There is no impact on any other part of this document for this CP.**

*Amend section 3.2A as follows:*

### 3.2A    Interim Information Volume Allocation Run for Settlement Day<sup>Error! Bookmark not defined.</sup>

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.2A.1 | On SD+3. | Send aggregated HH meter data, in clocktime, in MWh, for MSIDs to which DA is appointed in SMRS. | HHDA. | SVAA. | D0040  Aggregated Half Hour Data File (BM Unit(s) not supported)<br><br>or<br><br>D0298  BM Unit Aggregated Half Hour Data File (BM Unit(s) supported). | Electronic or other method as agreed. |
| 3.2A.2 | On SD+3. | Send SPM data (EACs/AAs values) in MWh, for MSIDs to which DA is appointed in SMRS. | NHHDA. | SVAA. | D0041  Supplier Purchase Matrix Data File. | Electronic or other method as agreed. |
| 3.2A.3 | Before invoking run. | Load and validate incoming DA files.  Check that DA files expected have been received~~ ~~: | SVAA. | | Appendix 4.1 – Validate Incoming Data. | Internal Process. |
| | At least 4 working hours before deadline of end of SD+3. | a)  If file expected but not received, ask DA to send file. | SVAA. | HHDA, NHHDA | P0034  Missing Data. | Electronic or other method as agreed. |
| | On SD+3. | Send file to SVAA. | HHDA. NHHDA. | SVAA. | Refer to the dataflow listed in 3.2A.1.<br>Refer to the dataflow listed in 3.2A.2. | Electronic or other method as agreed. |
| | | b)  If file ~~invalid~~ <u>fails any validation check</u> for reason<u>s</u> other than standing data mismatch[1], ask DA to ~~send correct~~ <u>assess if</u> file <u>is valid</u>. | SVAA. | HHDA, NHHDA. | P0035  Invalid Data. | Electronic or other method as agreed. |

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[1] The SVAA standing data will be automatically amended to agree with the data provided by the Data Aggregator by the SVAA software (BSCP507).

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | Within 2 working hours of notification received from SVAA. | If file is valid, notify the SVAA or Ssend corrected file to SVAA. | HHDA. NHHDA | SVAA. | Refer to the dataflow listed in 3.2A.1. | Electronic or other method as agreed. |
| | | c) If file fails plausibility check, ask DA to confirm if file is valid. | SVAA. | HHDA, NHHDA. | P0035 Invalid Data. | Electronic or other method as agreed. |
| | | i) If file is valid, confirm file is valid. | HHDA, NHHDA. | SVAA | | Electronic or other method as agreed. |
| | Within 2 working hours of notification received from SVAA. | ii) If file is invalid, send corrected file to SVAA. | HHDA. | SVAA. | Refer to the dataflow listed in 3.2A.1. | Electronic or other method as agreed. |
| | On receipt of a corrected file up until the VAR is invoked. | Re-load and validate DA files. | SVAA. | | Refer to the dataflow listed in 3.2A.2. | Internal Process. |
| 3.2A.4 | On SD+3. | Send GSP Group Take data. | CDCA. | SVAA. | P0012 GSP Group Take Data File. | Electronic or other method as agreed. |
| 3.2A.5 | Following 3.2A.4. | Send acknowledgement confirming receipt of the GSP Group Take data. | SVAA. | CDCA. | P0183 Stage 2 NETA Acknowledgement Message. | Electronic or other method as agreed. |
| 3.2A.6 | Immediately following CDCA deadline. | Load and validate incoming CDCA data. | SVAA. | | Appendix 4.1 – Validate Incoming Data. | Internal Process. |
| | | a) If CDCA data missing, notify CDCA and await submission of data. | SVAA. | CDCA. | P0034 Missing Data. | Manual Process. |

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | Within 1 working hour of receipt of notification from SVAA. | Send CDCA data to SVAA. | CDCA. | SVAA. | Refer to the dataflow listed in 3.2A.4. | Electronic or other method as agreed. |
| | | b) If CDCA data invalid, contact the Panel and carry out action as agreed with Panel. | SVAA. | Panel. | | Manual Process. |
| 3.2A.7 | From 9:00 am on SD+4. | Invoke Interim Information Volume Allocation Run[2]:<br><br>Review the DA files and check that the expected files have been received: | SVAA. | | Appendix 4.1 - Validate Incoming Data. | Internal Process. |
| | | a) If file does not match expected details modify the standing data for this Settlement Day only and where appropriate re-load and validate data. | SVAA. | | | Internal Process. |
| | | Inform BSC Service Desk. | SVAA. | BSC Service Desk. | | Electronic or other method as agreed. |
| | | BSC Service Desk logs call. | BSC Service Desk[3]. | | | Internal Process. |
| | | b) If file not received as expected use default data. | SVAA. | | | Internal Process. |
| | | Retrieve all input data for use in Interim Information Volume Allocation Run. | SVAA. | | | Internal Process. |

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[2] If more than one file is received from the sender, the SVAA will use the file with the latest creation timestamp in the run. The SVA System must store data relating to the latest Settlement and its associated Interim Information Volume Allocation Run for each Settlement Day for the subsequent reporting. The following data items cannot be modified once the Interim Information Volume Allocation Run has taken place – SSC, Profile Class, Measurement Requirement, Valid SSC Profile Class, Valid Measurement Requirement Profile Class. However, the following data items can be modified once the Interim Information Volume Allocation Run has taken place, subject to authorisation – Supplier, Supplier in GSP Group, DA, DA in GSP Group, GSP Group Correction Scaling Factor, LLFC and Settlement Period LLF.

[3] The BSC Service Desk will request second line support from SVAA to resolve the validation errors.

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.2A.8 | If data defaulted for use in run, by SD+4. | Send relevant notification to each of the parties listed that default data to be used in Interim Information Volume Allocation Run. | SVAA. | Suppliers. | P0036 Default Data (relating to DA defaults only). | Manual Process. |
| | | | | LDSO | P0036 Default Data (relating to LLF defaults only). | |
| | | | | Panel. | P0036 Default Data (relating to all defaults excluding Base BM Unit data). | |
| 3.2A.9 | After 3.2A.7. | Calculate the Supplier Deemed Take[4] ~~.~~ and GSP Group Correction Factor. | SVAA. | | Base BM Unit Allocation: Allocate Base BM Unit per Supplier if no BM Unit nominated by Supplier or if invalid BM Unit received. Profile and Line Loss Adjust SPM: 1. Allocate NHH BMU(s) for nominated Supplier(s). 2. Profile SPM data. 3. Aggregate Profiled data. 4. Adjust for Line Losses. Supplier Deemed Take Calculate GSP Group Correction Factor and GSP Group uncorrected consumption. | Internal Process. |

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[4] ~~The SVA System will allow for the energy volume total to be either negative or positive (i.e. negative consumption totals should not be treated as spill and should not be allocated to other Suppliers).~~

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|------|------|--------|------|-----|---------------------|--------|
| 3.2A.10 | After 3.2A.9 | Validate that the GSP Group Correction Factor is within pre-determined tolerances.<br><br>If GSP Group Correction Factor is not within tolerance, abort Interim Information Volume Allocation Run and investigate source of error. If resolved, return to 3.2A.7. | SVAA. | | Appendix 4.2 - Validate Volume Allocation Run Data. | Internal Process. |
| 3.2A.11 | After 3.2A.10 | Validate difference between  GSP Group uncorrected consumption and GSP Group Take values.<br>If any value is not within tolerances abort  and investigate source of error, otherwise proceed with Volume Allocation Run.<br>If resolved, return to 3.2A.7. | SVAA. | | Appendix 4.2 - Validate Volume Allocation Run Data. | Internal Process. |
| | If error unresolved following 3,2A.10 or 3.2A.11 | Inform BSCCo and return to 3.2.A.7 and override to continue the Volume Allocation Run. | SVAA. | BSCCo | Details of values outside tolerance and appropriate data to for BSCCo analysis. | Electronic or other method as agreed~~Internal Process~~. |
| | If process triggered by SVAA | Undertake analysis of data and resolve issues where possible by Initial Volume Allocation Run | BSCCo | | | Internal Process |
| | ~~Within 2 working hours of notification received from SVAA.~~ | ~~Send correct file to SVAA.~~ | ~~HHDA.~~ | ~~SVAA.~~ | ~~Refer to the dataflow listed in 3.2A.1.~~ | ~~Electronic or other method as agreed.~~ |
| | | ~~Re-load and validate DA files.~~ | ~~NHHDA. SVAA.~~ | | ~~Refer to the dataflow listed in 3.2A.2.~~ | ~~Internal Process.~~ |

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|------|------|--------|------|-----|---------------------|--------|
| | | Return to 3.2A.7. | SVAA. | | | Internal Process. |
| 3.2A.12 | After 3.2A.11 | Calculate the Supplier Deemed Take[5]. | SVAA. | | Supplier Deemed Take: 1. Apply GSP Group Correction Factor. 2. Calculate Supplier Deemed Take by BM Unit. 3. Produce the Transmission Company reports by Supplier. 4. Produce DUoS Report by Supplier and LDSO. 5. Produce BM Unit Supplier Take Energy Volume Data File. | Internal Process. |
| 3.2A.103 | To arrive by 9:00am on SD+5. | Send BM Unit Supplier Take Energy Volume Data File. | SVAA. | SAA. | P0182  BM Unit Supplier Take Energy Volume Data File. P0236 BM Unit SVA Gross Demand Data File | Electronic or other method as agreed. |
| 3.2A.114 | After 3.2A.103. | Send acknowledgement confirming receipt of the BM Unit Supplier Take Energy Volume Data File. | SAA. | SVAA. | P0183  Stage 2 NETA Acknowledgement Message. | Electronic or other method as agreed. |
| 3.2A.125 | After 3.2A.114 and if problem with file. | Send notification that problem with file. | SAA | SVAA. | P0187  SAA Data Exception Report. | Manual Process. |
| 3.2A.136 | By SD+5 | Send Interim Information Volume Allocation Run Reports to relevant Suppliers. | SVAA | Suppliers | D0296 Supplier BM Unit Report | Electronic or other method as agreed. |

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[5] The SVA System will allow for the energy volume total to be either negative or positive (i.e. negative consumption totals should not be treated as spill and should not be allocated to other Suppliers).

*Amend section 3.2B as follows:*

## 3.2B    Initial Volume Allocation Run for Settlement Day<sup>Error! Bookmark not defined.</sup>

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.2B.1 | By SD+14. | Send aggregated HH meter data, in clocktime, in MWh, for MSIDs to which DA is appointed in SMRS. | HHDA. | SVAA. | D0040  Aggregated Half Hour Data File (BM Unit(s) not supported) or D0298  BM Unit Aggregated Half Hour Data File (BM Unit(s) supported). | Electronic or other method as agreed. |
| 3.2B.2 | By SD+14. | Send SPM data (EACs/AAs values) in MWh, for MSIDs to which DA is appointed in SMRS. | NHHDA. | SVAA. | D0041  Supplier Purchase Matrix Data File. | Electronic or other method as agreed. |
| 3.2B.3 | Before invoking run. | Load and validate incoming DA files. Check that DA files expected have been received-: | SVAA. | | Appendix 4.1 – Validate Incoming Data. | Internal Process. |
| | At least 4 working hours before deadline of SD+14. | a)  If file expected but not received, ask DA to send file. | SVAA. | HHDA, NHHDA | P0034  Missing Data. | Electronic or other method as agreed. |
| | By SD+14. | Send file to SVAA. | HHDA. NHHDA. | SVAA. | Refer to the dataflow listed in 3.2B.1. Refer to the dataflow listed in 3.2B.2. | Electronic or other method as agreed. |
| | | b)  If file <u>fails any validation check </u>for reason other than standing data mismatch[6], ask DA to <u>assess if</u> file <u>is valid</u>. | SVAA. | HHDA, NHHDA. | P0035  Invalid Data. | Electronic or other method as agreed. |
| | Within 2 working hours of notification received from SVAA. | <u>If file is valid notify the SVAA or S</u>~~s~~end correct<u>ed</u> file to SVAA. | HHDA. NHHDA. | SVAA. | Refer to the dataflow listed in 3.2B.1. Refer to the dataflow listed in 3.2B.2. | Electronic or other method as agreed. |
| | | ~~c)  If file fails plausibility check, ask DA to confirm if file is valid.~~ | ~~SVAA.~~ | ~~HHDA, NHHDA.~~ | ~~P0035  Invalid Data.~~ | ~~Electronic or other method as agreed.~~ |

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[6] The SVAA standing data will be automatically amended to agree with the data provided by the Data Aggregator by the SVAA software (BSCP507).

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | | ~~i) If file is valid, confirm file is valid.~~ | ~~HHDA, NHHDA.~~ | ~~SVAA~~ | | ~~Electronic or other method as agreed.~~ |
| | ~~Within 2 working hours of notification received from SVAA.~~ | ~~ii) If file is invalid, send corrected file to SVAA.~~ | ~~HHDA, NHHDA.~~ | ~~SVAA.~~ | ~~Refer to the data flow listed in 3.2B.1.~~ ~~Refer to the data flow listed in 3.2B.2~~ | ~~Electronic or other method as agreed.~~ |
| | On receipt of corrected file until VAR is invoked, | Re-load and validate DA files. | SVAA. | | Refer to the dataflow listed in 3.2B.1. Refer to the dataflow listed in 3.2B.2. | Internal Process. |
| 3.2B.4 | By SD+14. | Send GSP Group Take data. | CDCA. | SVAA. | P0012  GSP Group Take Data File. | Electronic or other method as agreed. |
| 3.2B.5 | Following 3.2B.6. | Send acknowledgement confirming receipt of the GSP Group Take data. | SVAA. | CDCA. | P0183  Stage 2 NETA Acknowledgement Message. | Electronic or other method as agreed. |
| 3.2B.6 | Immediately following CDCA deadline. | Load and validate incoming CDCA data. | SVAA. | | Appendix 4.1 – Validate Incoming Data. | Internal Process. |
| | | a)  If CDCA data missing, notify CDCA and await submission of data. | SVAA. | CDCA. | P0034  Missing Data. | Manual Process. |
| | Within 1 working hour of receipt of notification from SVAA. | Send CDCA data to SVAA. | CDCA. | SVAA. | Refer to the dataflow listed in 3.2B.6. | Electronic or other method as agreed. |
| | | b)  If CDCA data invalid, contact the Panel and carry out action as agreed with Panel. | SVAA. | Panel. | | Manual Process. |
| 3.2B.7 | From 9:00 am on SD+15. | Invoke run[7]: Review the DA files and check that the expected files have been received: | SVAA. | | Appendix 4.1 - Validate Incoming Data. | Internal Process. |

[7] If more than one file is received from the sender, the SVAA will use the file with the latest creation timestamp in the run.  The SVA System must store data relating to the latest Settlement and its associated Initial Volume Allocation Run for each Settlement Day for the subsequent reporting.  The following data items cannot be modified once the Initial Volume Allocation Run has taken place – SSC, Profile Class, Measurement Requirement, Valid SSC Profile Class, Valid Measurement Requirement Profile Class.  However, the following data items can be modified once the Initial Volume Allocation Run has taken place, subject to authorisation – Supplier, Supplier in GSP Group, DA, DA in GSP Group, GSP Group Correction Scaling Factor, LLFC and Settlement Period LLF.

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | | a) If file does not match expected details modify the standing data for this Settlement Day only and where appropriate re-load and validate data. | SVAA. | | | Internal Process. |
| | | Inform BSC Service Desk. | SVAA. | BSC Service Desk. | | Electronic or other method as agreed. |
| | | BSC Service Desk logs call. | BSC Service Desk[8]. | | | Internal Process. |
| | | b) If file not received as expected, default data. | SVAA. | | | Internal Process. |
| | | Retrieve all input data for use in Initial Volume Allocation Run. | SVAA. | | | Internal Process. |
| 3.2B.8 | If data defaulted for use in run, by SD+15. | Send relevant notification to each of the parties listed that default data to be used in Initial Volume Allocation Run. | SVAA. | Suppliers. | P0036 Default Data (relating to DA defaults only). | Manual Process. |
| | | | | LDSO | P0036 Default Data (relating to LLF defaults only). | |
| | | | | Panel. | P0036 Default Data (relating to all defaults excluding Base BM Unit data). | |
| 3.2B.9 | After 3.2B.7. | Calculate the Supplier Deemed Take[9] and GSP Group Correction Factor | SVAA. | | Base BM Unit Allocation: Allocate Base BM Unit per Supplier if no BM Unit nominated by Supplier or if invalid BM Unit received. | Internal Process. |

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[8] The BSC Service Desk will request second line support from SVAA to resolve the validation errors.

[9] The SVA System will allow for the energy volume total to be either negative or positive (i.e. negative consumption totals should not be treated as spill and should not be allocated to other Suppliers).

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | | | | | Profile and Line Loss Adjust SPM:<br>1. Allocate NHH BMU(s) for nominated Supplier(s).<br>2. Profile SPM data.<br>3. Aggregate Profiled data.<br>4. Adjust for Line Losses.<br><br>Calculate GSP Group Correction Factor and GSP Group uncorrected consumption. | |
| 3.2B.10 | After 3.2B.9 | Validate that the GSP Group Correction Factor is within pre-determined tolerances.<br><br>If GSP Group Correction Factor is not within tolerance, abort Initial Volume Allocation Run and investigate source of error. If resolved, return to 3.2B.7. | SVAA. | | Appendix 4.2 - Validate Volume Allocation Run Data. | Internal Process. |
| 3.2B.11 | After 3.2B.10 | Validate difference between GSP Group uncorrected consumption and GSP Group Take values<br><br>If any value is not within tolerances, abort and investigate source of error, otherwise proceed with Volume Allocation Run.<br><br>If resolved, return to 3.2B.7. | SVAA. | | Appendix 4.2 - Validate Volume Allocation Run Data. | Internal Process. |
| | If error unresolved following 3,2.B.10 or<br><br>3.2B.11 | Inform BSCCo and return to 3.2.B.7 and override to continue the Volume Allocation Run. | SVAA. | BSCCo | Details of values outside tolerance and appropriate data to for BSCCo analysis. | Electronic or other method as agreed.Internal Process. |

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| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | If process triggered by SVAA | Undertake analysis of data and resolve issues where possible by next Reconciliation Run | BSCCo | | | Internal Process |
| | ~~Within 2 working hours of notification received from SVAA.~~ | ~~Send correct file to SVAA.~~ | ~~HHDA, NHHDA~~ | ~~SVAA.~~ | ~~Refer to the data flow listed in 3.2B.1.~~ ~~Refer to the data flow listed in 3.2B.2~~ | ~~Electronic or other method as agreed.~~ |
| | | ~~Re-load and validate DA files.~~ | ~~SVAA.~~ | | | ~~Internal Process.~~ |
| | | ~~Return to 3.2B.7.~~ | ~~SVAA.~~ | | | ~~Internal Process.~~ |
| 3.2B.12 | After 3.2B.11 | Calculate the Supplier Deemed Take[10]. | | | Supplier Deemed Take: 1. ~~Calculate and a~~Apply GSP Group Correction Factor. 2. Calculate Supplier Deemed Take by BM Unit. 3. Produce the Transmission Company reports by Supplier. 4. Produce DUoS Report by Supplier and LDSO. 5. Produce BM Unit Supplier Take Energy Volume Data File. | |
| 3.2B.1~~0~~3 | To arrive by 9:00am on SD+16. | Send BM Unit Supplier Take Energy Volume Data File. | SVAA. | SAA. | P0182 BM Unit Supplier Take Energy Volume Data File. P0236 BM Unit SVA Gross Demand Data File | Electronic or other method as agreed. |
| 3.2B.1~~1~~4 | After 3.2B.1~~0~~3. | Send acknowledgement confirming receipt of the BM Unit Supplier Take Energy Volume Data File. | SAA. | SVAA. | P0183 Stage 2 NETA Acknowledgement Message. | Electronic or other method as agreed. |
| 3.2B.1~~2~~5 | After 3.2B.1~~0~~3 and if problem with file. | Send notification that problem with file. | SAA | SVAA. | P0187 SAA Data Exception Report. | Manual Process. |

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[10] The SVA System will allow for the energy volume total to be either negative or positive (i.e. negative consumption totals should not be treated as spill and should not be allocated to other Suppliers).

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.2B.1~~3~~6 | To arrive before 12:30 on SD+16. | Send relevant Transmission Company reports. | SVAA. | Transmission Company. | P0210  TUoS Report (HH/NHH Split). | Electronic or other method as agreed. |
| 3.2B.1~~4~~7 | By SD+17. | Send remaining Initial Volume Allocation Run Reports to the LDSO, Suppliers and BSCCo. | SVAA. | LDSO. | D0030  Aggregated DUoS Report'.[11] , [12] | Electronic or other method as agreed. |
| | | | SVAA. | Host LDSO | D0314   Non Half Hourly Embedded Network DUoS Report.[12] | |
| | | | SVAA. | Suppliers. | D0030  Aggregated DUoS Report'.[12]  D0043  Supplier Deemed Take Report.  D0079  Supplier Purchase Report.  D0081  Supplier Half Hourly Demand Report.  D0082  Supplier – Supplier Purchase Matrix Report.  D0266  Supplier Settlement Header Report.  D0276  GSP Group Consumption Totals Report.  D0296  Supplier BM Unit Report.[13]. | |
| | | | SVAA. | BSCCo. | P0276 BSCCo GSP Group Consumption Totals Report.[14]  P0277 GSP Group Market Matrix Report. | |

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[11] Each LDSO will receive a single D0030 dataflow containing data for customers connected to their Distribution System(s) in all the GSP Groups in which the LDSO is operating.  Host LDSOs will additionally receive a D0314 dataflow containing data for all embedded networks operated by other LDSOs in the GSP Group corresponding to their distribution services area (with the exception of any directly-connected networks which SVAA has been requested to exclude from the report to the Host LDSO.  Such a request should be made to the BSC Service Desk, identifying the LLFC(s) corresponding to the directly connected network, at least 5 Working Days in advance).

[12] The D0030 and D0314 will be produced using LDSO mapping data provided on the P0239.

[13] This dataflow is optional and is only sent by the SVAA if the Supplier requests the dataflow via the BSC Service Desk.

[14] This data flow is only produced  for the Initial Settlement (SF), Final Reconciliation (RF) and Final Dispute (DF) Settlement Types

| REF | WHEN | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.2B.1~~5~~8 | Following 3.2B.1~~4~~7 | Publish BSCCo GSP Group Consumption Totals Report and GSP Group Market Matrix Report | BSCCo | | P0276 BSCCo GSP Group Consumption Totals Report.  P0277 GSP Group Market Matrix Report. | BSC Website. |

*Amend section 3.3 as follows:*

### 3.3 Timetabled Reconciliation Volume Allocation Run(s) for a Settlement Day (post Initial Volume Allocation Run)Error! Bookmark not defined.

| REF | WHEN[15][16] | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.3.1 | By T-6 WD. | Send revised aggregated HH meter data in clocktime, in MWh for MSIDs to which DA is appointed in SMRS. | HHDA. | SVAA. | D0040  Aggregated Half Hour Data File (BM Unit(s) not supported) or D0298  BM Unit Aggregated Half Hour Data File (BM Unit(s) supported). | Electronic or other method as agreed. |
| 3.3.2 | By T-6 WD. | Send SPM data (EACs/AAs values) in MWh, for MSIDs to which DA is appointed in SMRS. | NHHDA | SVAA. | D0041  Supplier Purchase Matrix Data File. | Electronic or other method as agreed. |
| 3.3.3 | Before invoking run. | Load and validate incoming DA files.  Check that DA files expected have been received : | SVAA. | | Appendix 4.1 – Validate Incoming Data. | Internal Process. |
| | At least 4 working hours before T-6 WD. | a)  If file expected but not received, ask DA to send file. | SVAA. | HHDA, NHHDA. | P0034  Missing Data. | Electronic or other method as agreed. |
| | By T-6 WD. | Send file to SVAA. | HHDA. NHHDA. | SVAA. | Refer to the dataflow listed in 3.3.1. Refer to the dataflow listed in 3.3.2. | Electronic or other method as agreed. |
| | | b)  If file fails any validation check for reasons other than standing data mismatch6, ask DA to assess file is valid. | SVAA. | HHDA, NHHDA. | P0035  Invalid Data. | Electronic or other method as agreed. |
| | Within 2 working hours of notification received from SVAA. | If file is valid notify the SVAA or send correct-ed file to SVAA. | HHDA. NHHDA. | SVAA. | Refer to the dataflow listed in 3.3.1. Refer to the dataflow listed in 3.3.2. | Electronic or other method as agreed. |
| | | Re-load and validate DA files. | SVAA. | | | Internal Process. |

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[15] T is the Payment Date and this relates to the Settlement Day.  All Timetabled Reconciliation Volume Allocation Runs take place a number of Working Days prior to the financial transfers (which take place on the Payment Date) between the FAA and Parties' Banks.

[16] All timescales up to and including the sending of the BM Unit Supplier Take Energy Volume Data File to the SAA are dependent on the SVAA Calendar.

| REF | WHEN[15] [16] | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | | ~~c) If file fails plausibility check, ask DA to confirm if file is valid.~~ | ~~SVAA.~~ | ~~HHDA, NHHDA.~~ | ~~P0035 Invalid Data.~~ | ~~Electronic or other method as agreed.~~ |
| | | ~~i) If file is valid, confirm file is valid.~~ | ~~HHDA, NHHDA.~~ | ~~SVAA~~ | | ~~Electronic or other method as agreed.~~ |
| | ~~Within 2 working hours of notification received from SVAA.~~ | ~~ii) If file is invalid, send corrected file to SVAA.~~ | ~~HHDA, NHHDA.~~ | ~~SVAA.~~ | ~~Refer to the data flow listed in 3.3.1.~~ ~~Refer to the data flow listed in 3.3.2~~ | ~~Electronic or other method as agreed.~~ |
| | On receipt of corrected file up until the VAR is invoked. | Re-load and validate DA files. | SVAA. | | Refer to the dataflow listed in 3.3.1. Refer to the dataflow listed in 3.3.2. | Electronic or other method as agreed. |
| 3.3.4 | By T-6 WD. | Send GSP Group Take data. | CDCA. | SVAA. | P0012 GSP Group Take Data File. | Electronic or other method as agreed. |
| 3.3.5 | Following 3.3.6. | Send acknowledgement confirming receipt of the GSP Group Take data. | SVAA. | CDCA. | P0183 Stage 2 NETA Acknowledgement Message. | Electronic or other method as agreed. |
| 3.3.6 | By T-5 WD. | Load and validate incoming CDCA data.<br><br>If CDCA data missing or invalid then default data. | SVAA. | | Appendix 4.1 – Validate Incoming Data. | Internal Process. |
| 3.3.7 | By T-5 WD. | Invoke run[17]:<br><br>Review the DA files and check that the expected files have been received :<br><br>a) If file does not match expected details modify the standing data for this Settlement Day only and where appropriate, re-load and validate data. | SVAA.<br><br><br><br>SVAA. | | Appendix 4.1 – Validate Incoming Data. | Internal Process.<br><br><br><br>Internal Process. |

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[17] If more than one file received from the sender, the SVAA will use the file with the latest creation timestamp in the run. The SVA System must store data relating to the latest Settlement and its associated Reconciliation Volume Allocation Run for each SD, for subsequent reporting.

| REF | WHEN[15][16] | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | | Inform BSC Service Desk. | SVAA. | BSC Service Desk. | | Electronic or other method as agreed. |
| | | BSC Service Desk logs call. | BSC Service Desk8. | | | Internal Process. |
| | | b)  If file not received as expected, default data. | SVAA. | | | Internal Process. |
| | | Retrieve all input data for use in Timetabled Reconciliation Volume Allocation Run. | SVAA. | | | Internal Process. |
| 3.3.8 | If data defaulted for use in run, by T-5 WD. | Send relevant notification to each of the parties listed that default data to be used in the Timetabled Reconciliation Volume Allocation Run. | SVAA[18]. | Suppliers. | P0036  Default Data (relating to DA defaults only). | Manual Process. |
| | | | | LDSO | P0036  Default Data (relating to LLF defaults only). | |
| | | | | Panel. | P0036  Default Data (relating to all defaults excluding Base BM Unit data). | |

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[18]  If CDCA data is to be defaulted, the SVAA will not report that this data is being defaulted to any of the parties listed in this step.

| REF | WHEN[15] [16] | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.3.9 | By T-5 WD. | Calculate the Supplier Deemed Take[19] and GSP Group Correction Factor. | SVAA. | | Base BM Unit Allocation:<br><br>Allocate Base BM Unit per Supplier if no BM Unit nominated by Supplier or if invalid BM Unit received.<br><br>Profile and Line Loss Adjust SPM:<br><br>1. Allocate NHH BMU(s) for nominated Supplier(s).<br><br>2. Profile SPM data.<br><br>3. Aggregate Profiled data.<br><br>4. Adjust for Line Losses.<br><br>Calculate GSP Group Correction Factor and GSP Group uncorrected consumption. | Internal Process. |
| 3.3.10 | After 3.3.9. | Validate that the GSP Group Correction Factor is within pre-determined tolerances.<br><br>If GSP Group Correction Factor is not within tolerance, abort Reconciliation Volume Allocation Run and investigate source of error. If resolved, return to 3.3.7. | SVAA. | | Appendix 4.2 - Validate Volume Allocation Run Data. | Internal Process. |

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[19] The SVA System will allow for the energy volume total to be either negative or positive (i.e. negative consumption totals should not be treated as spill and should not be allocated to other Suppliers).

| REF | WHEN[15] [16] | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.3.11 | After 3.3.10. | Validate the difference between~~f~~ GSP Group uncorrected consumption and GSP Group Take.<br><br>If any value is not within tolerances, abort and investigate source of error.<br>Otherwise proceed with Volume Allocation Run.<br><br>If resolved, return to 3.3.7 | SVAA. | | Appendix 4.2 - Validate Volume Allocation Run Data. | Internal Process. |
| | If error unresolved following 3,3.10 or 3.1.11 | Inform BSCCo and return to 3.3.7 and override to continue the Volume Allocation Run.. | SVAA. | BSCCo | Details of values outside tolerance and appropriate data to for BSCCo analysis. | Electronic or other method as agreed. |
| | If process triggered by SVAA | Undertake analysis of data and resolve issues where possible by next Reconciliation Run | BSCCo | | | Internal Process |

| REF | WHEN[15][16] | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| 3.3.12 | After 3.3.11. | Calculate the Supplier Deemed Take[20]. | | | Supplier Deemed Take : <br> 1. Apply GSP Group Correction Factor. <br> 2. Calculate Supplier Deemed Take, by BM Unit. <br> 3. Produce the Transmission Company reports by Supplier. <br> 4. Produce DUoS Report by Supplier and LDSO <br> 5. Produce BM Unit Supplier Take Energy Volume Data File. | |
| 3.3.1~~1~~03 | For receipt by 09:00 hrs on T-4 WD. | Send BM Unit Supplier Take Energy Volume Data File. | SVAA. | SAA. | P0182 BM Unit Supplier Take Energy Volume Data File. <br><br> P0236 BM Unit SVA Gross Demand Data File | Electronic or other method as agreed. |
| 3.3.1~~1~~4 | After 3.3.1~~0~~3. | Send acknowledgement confirming receipt of the BM Unit Supplier Take Energy Volume Data File. | SAA. | SVAA. | P0183 Stage 2 NETA Acknowledgement Message. | Electronic or other method as agreed. |
| 3.3.1~~2~~5 | After 3.3.1~~1~~4 and prior to 3.3.1~~3~~6 and if problem with file. | Send notification that problem with file. | SAA. | SVAA[21]. | P0187 SAA Data Exception Report. | Manual Process. |
| 3.3.1~~3~~6 | By 12:30 hrs on T-4 WD. | Send relevant Transmission Company reports. | SVAA. | Transmission Company. | P0210 TUoS Report (HH/NHH Split). | Electronic or other method as agreed. |
| 3.3.1~~4~~7 | By T-3 WD. | Send remaining Timetabled Reconciliation Volume Allocation Run Reports to the LDSO, Suppliers and BSCCo. | SVAA. | LDSO. | D0030 Non Half Hourly DUoS Report.11, 12 | Electronic or other method as agreed. |

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[20] The SVA System will allow for the energy volume total to be either negative or positive (i.e. negative consumption totals should not be treated as spill and should not be allocated to other Suppliers).

[21] Following receipt of this dataflow, the SVAA will investigate the problem and notify the Panel of the outcome of the investigation.

| REF | WHEN[15] [16] | ACTION | FROM | TO | INFORMATION REQUIRED | METHOD |
|---|---|---|---|---|---|---|
| | | | SVAA. | Host LDSO | D0314  Non Half Hourly Embedded Network DUoS Report.[12] | |
| | | | | Suppliers. | D0030  Non Half Hourly DUoS Report.[12] | |
| | | | | | D0043  Supplier Deemed Take Report. | |
| | | | | | D0079  Supplier Purchase Report. | |
| | | | | | D0081  Supplier Half Hourly Demand Report. | |
| | | | | | D0082  Supplier – Supplier Purchase Matrix Report. | |
| | | | | | D0266 Supplier Settlement Header Report. | |
| | | | | | D0276  GSP Group Consumption Totals Report. | |
| | | | | | D0296  Supplier BM Unit Report[13] | |
| | | | SVAA. | BSCCo. | P0276 BSCCo GSP Group Consumption Totals Report.[14] P0277 GSP Group Market Matrix Report. | |
| 3.3.1~~5~~8 | Following 3.3.1~~4~~7 | Publish BSCCo GSP Group Consumption Totals Report and GSP Group Market Matrix Report | BSCCo | | P0276 BSCCo GSP Group Consumption Totals Report. P0277 GSP Group Market Matrix Report. | BSC Website. |

*Amend Section 4 as follows:*

# 4. Appendices

## 4.1 Validate Incoming Data

The SVAA will validate the data it receives for use in the Supplier Volume Allocation Runs, as follows:

### 4.1.1 Validate Stage 1 – GSP Group Take Data

The incoming data will be validated to ensure that the daily total GSP Group Take equals the sum of the period GSP Group Takes for that day. Therefore, the validation check on the incoming GSP Group Take data should include the following:

i.     Physical integrity

ii.    The file is from the correct source i.e. CDCA

iii.   Any data for Settlement Days and times which are already within the system must be a later version than that in the system

iv.    The data has the correct number of Settlement Periods

v.     The data is for the correct GSP Group(s)

### 4.1.2 Validate Stage 2 - Line Loss Factor Data

This process performs data marshalling of LLFs received from BSCCo. The incoming data will be validated to ensure:

i.     Physical integrity

ii.    The files are received in the correct sequence

iii.   Any data for Settlement Days and times which are already within the system must be a later version than that in the system

iv.    The data has the correct number of Settlement Periods

v.     The data is for the correct LDSO(s)

vi.    The data is for the correct LLFC

### 4.1.3 Validate Stage 2 - Half Hourly Aggregation Data

The SVAA will use the software to validate the aggregated Half Hourly data from HHDAs. The received data must be split by Supplier and by Consumption Component Classes and for the Metering Systems registered to Measurement Classes F or G, by Line Loss Factor Class. The incoming data will be validated to ensure:

i.        Physical integrity.

ii.       Any data for Settlement Days and times which are already within the system must be a later version than that in the system.

iii.      The data has the correct number of Settlement Periods.

iv.      The data is for the correct GSP Group(s).

v.       The file is from an expected Data Aggregator, as recorded in the standing data i.e. a Data Aggregator who has an appointment to the GSP Group on the Settlement Day for which the data relates. If not, an error exception entry will be written and the file rejected (until the standing data is amended by the SVAA).

vi.      The file only contains data for the expected set of Suppliers, as recorded in the standing data i.e. only Suppliers who have an association with the Data Aggregator on the Settlement Day / GSP Group combination of the file. If not then an error exception entry will be written and the file rejected (until the standing data is amended by the SVAA).

vii.     The file contains data for the full set of expected Suppliers, as recorded in the standing data i.e. all Suppliers who have an association with the Data Aggregator on the Settlement Day / GSP Group combination. If not then `an error exception entry will be written and the file rejected (until the standing data is amended by the SVAA).

viii.    The file contains no duplicated Supplier / GSP Group / Consumption Component Class combinations.

ix.     The file is not a null file.

x.      Additionally for the BM Unit files received, the file must be valid for the:

- Settlement Date; and

- Supplier and GSP Group to which it relates.

### 4.1.4    Validate Stage 2 – Supplier Purchase Matrix Data

The SVAA will use the software to validate the aggregated Non Half Hourly data from NHHDAs.  The incoming data will be validated to ensure:

i.       Physical integrity

ii.       Any data for Settlement Days and times which are already within the system must be a later version than that in the system

iii.      The data is for the correct GSP Group(s)

iv.      The file is from an expected Data Aggregator, as recorded in the standing data i.e. a Data Aggregator who has an appointment to the GSP Group on

the Settlement Day for which the data relates. If not, an error exception entry will be written and the file rejected (until the standing data is amended by the SVAA).

v.      The file contains no duplicated Supplier / GSP Group / Consumption Component Class combinations.

vi.      The file is not a null file.

### 4.1.5      Validate Stage 3 – Additional Validations for Half Hourly Aggregation Data

The SVAA will use the software to validate the aggregated Half Hourly data from HHDAs.

For a file submitted for use in the II or SF Volume Allocation Run, the comparator data will be the most recently submitted data for the most recent Volume Allocation Run for the previous Settlement Day with the same Day Type. For a file submitted for use in the R1 Volume Allocation Run or later, the comparator data will be the data used for the same Settlement Day for the previous Volume Allocation Run.

The following validation checks will be made on the incoming data:

i.      The total consumption volume per file will be aggregated across all Consumption Component Classes where the Consumption Component Indicator is 'C' across all Settlement Periods. This will be compared to the equivalent total from the comparator data and the difference calculated.

ii.      The total MSID count per file will be aggregated across all Consumption Component Classes where the Consumption Component Indicator is 'C' across all entries for Settlement Period 1 only. This will be compared to the equivalent total from the comparator data and the difference calculated.

If the difference between the incoming file and the comparator data for either check breaches a threshold determined by BSCCo, the incoming file will be notified by the system to the SVAA. The SVAA will notify the HHDA of files potentially containing an error. The HHDA will be required to investigate the file and confirm to the SVAA whether the file is correct and should be used in the Volume Allocation Run or whether it is incorrect and should be rejected.

### 4.1.6      Validate Stage 3 – Additional Validations of Supplier Purchase Matrix Data

The SVAA will use the software to validate the aggregated Non Half Hourly data from NHHDAs.

For a file submitted for use in the II or SF Volume Allocation Run, the comparator data will be the most recently submitted data for the most recent Volume Allocation Run for the previous Settlement Day with the same Day Type. For a file submitted for use in the R1 Volume Allocation Run or later, the comparator data will be the data used for the same Settlement Day for the previous Volume Allocation Run.

The following plausibility checks will be made on the incoming data:

i.    The total consumption volume per file will be the aggregate of the Total AA, Total EAC and Total Unmetered Consumption across all records in the file. This will be compared to the equivalent total from the comparator data and the difference calculated.

ii.   The total MSID count per file will be the aggregate of the Total AA MSID Count, Total EAC MSID Count and Total Unmetered MSID Count across all records in the file. This will be compared to the equivalent total from the comparator data and the difference calculated.

If the difference between the incoming file and the comparator data for either check breaches a threshold determined by BSCCo, the incoming file will be notified by the system to the SVAA. The SVAA will notify and the NHHDA asof files potentially containing an error. The NHHDA will be required to investigate the file and confirm to the SVAA whether the file is correct and should be used in the Volume Allocation Run or whether it is incorrect and should be rejected.

## 4.2    Validate Volume Allocation Run Data

The SVAA will further validate the data it receives for use in the Supplier Volume Allocation Runs during the Volume Allocation Run, as follows:

### 4.2.1    Validate Stage 1 – GSP Group Correction Factors

The SVAA will use the software to validate that the calculated GSP Group Correction Factors lies within an acceptable range determined by BSCCo. If any value lies outside this range, the Volume Allocation Run will be aborted and the cause of the breach investigated. If unresolved the BSCCo will be sent appropriate data for analysis and the VAR will be completed.

### 4.2.2    Validate Stage 2 – Validate GSP Group Take and GSP Group Consumption Volumes

The SVAA will use the software to validate the aggregated total consumption volume per GSP Group per Settlement Period.

The SVAA will calculate the difference between the GSP Group Take and the uncorrected volume calculated at the sum of the uncorrected Consumption Component Classes for all Supplier BM Units within the GSP Group. If the differences lie outside an acceptable range determined by BSCCo the Volume Allocation Run will be aborted and the cause of the breach investigated. If unresolved the BSCCo will be sent appropriate data for analysis and the VAR will be completed.

BSCCo will analyse any unresolved issues and attempt to get any data issues resolved by the next available Settlement Volume Allocation Run or internally refer the issue as a dispute.