



Redlined BSCP508 text for P344

P344 proposes changes to sections 1.1.2, 1.2, 1.5, 1.6.2, 3.2A, 3.2B, 3.3, 3.10. We have redlined these changes against Version 25.0, which will go live as part of the February 2019 Release.

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

Amend section 1.1.2 as follows:

1.1.2 Volume Allocation Runs (VAR)

The SVAA will calculate the energy volumes allocated to Suppliers on a Balancing Mechanism (BM) Unit¹ and GSP Group basis. The energy volumes allocated will include all energy traded through Stage 2 and will be passed to the Settlement Administration Agent (SAA) in MWh. To do this, the SVAA will:

Aggregate data within a GSP Group

GSP Group aggregation involves the calculation of a Supplier's consumption by the application of the appropriate profile to Supplier Purchase Matrix (SPM) cells. The SVAA will use the profiles to derive consumption values for each half hour, for each Supplier, for those of their customers that do not have Half Hourly (HH) metering installed. These profiled HH values are then adjusted for line loss.

Half Hourly Data Aggregators (HHDAs) supply aggregated values, where appropriate by BM Unit level, where HH SVA Metering Systems are installed or where they are provided by approved systems designed to estimate them for unmetered supplies. The HHDAs aggregate the values for all HH SVA Metering Systems for a Supplier, and supply the separate totals as an input into the SVAA for each half hour over the Settlement Day for use in the Supplier Volume Allocation (SVA) Runs.

NHH Data Aggregators (NHHDA) are responsible for aggregation of NHH SVA Metering Systems (including unmetered supplies). The aggregation carried out by the NHHDA is sent to the SVAA and will be used as an input into the SVA Runs. Each NHH SVA Metering System has one or more Estimated Annual Consumption (EAC) and Annualised Advance (AA) value(s) associated with it. The NHHDA sums the EACs and AAs for each Supplier and valid Settlement Class and sends the aggregated values to the SVAA.

Calculate the Supplier Deemed Take by Balancing Mechanism Unit

The GSP Group Take totals are passed by the Central Data Collection Agent (CDCA)² to the SVAA to allow for adjustment to be made. The SVAA then carries out a GSP Group Correction by adjusting appropriate consumption components to ensure that the total consumption calculated equals the actual GSP Group Take provided by the CDCA. Not all components of the Supplier Deemed Take are included in the correction process. The profile components and line losses associated with the profile components are subject to correction and scaling factors.

For each Supplier and each Settlement Period in the trading day being processed, the SVAA will calculate the Supplier Deemed Take by BM Unit.

The SVAA will perform an Interim Information Volume Allocation Run and

¹ The BM Unit will be one nominated by the Supplier or alternatively where one is not nominated a Base BM Unit will be provided to the SVAA by the MDDM (following receipt of the Base BM Unit from the Central Registration Agent (CRA)).

² The CDCA will be responsible for the collection and processing of all Metering Systems registered by the CRA.

an Initial Volume Allocation Run (for one, some or, for all GSP Groups) using the above inputs and also by retrieving standing data and Market Domain Data (MDD). However, it will also perform a number of Timetabled Reconciliation Volume Allocation Runs (for one, some or, for all GSP Groups), currently defined as 4 (in accordance with the overall Settlement Timetable), when actual metered data replaces estimated data. In the event of a dispute being raised there may be a need to perform adjustments between Reconciliation Volume Allocation Runs in accordance with BSCP11.

Calculate the BM Unit SVA Gross Demand (for purposes of the CFD Arrangements)

In order to support the CFD Arrangements the SVAA will, for each VAR, calculate and provide to the SAA the gross demand ('the BM Unit SVA Gross Demand') for each Supplier BM Unit and Settlement Period in the Settlement Day. The BM Unit SVA Gross Demand for a Supplier BM Unit is defined as the sum of the Corrected Component ($CORC_{inj}$) for all Consumption Component Classes 'N' associated with Active Import. It follows from this definition that the BM Unit SVA Gross Demand will be adjusted for distribution losses and for GSP Group Correction (but will exclude any Active Export energy).

Calculate the BM Unit Allocated Demand Disconnection Volume

Where a Demand Disconnection occurs as part of a Demand Control Event, the SVAA will calculate and provide to the SAA the energy volumes associated with such disconnection for each affected Supplier BM Unit and Settlement Period; the SVAA will also adjust Suppliers' Allocated BM Unit to account for the disconnection. These calculations will take place after the Demand Control Event, as part of a timetabled Reconciliation Volume Allocation Run.

SVA Metering System Balancing Services Register

The SVAA shall maintain a register of which Half Hourly SVA Metering System Numbers belong to a BM Unit for purposes of providing Balancing Services. This register will be known as the "SVA Metering System Balancing Services Register"

Virtual Lead Parties shall send MSID Pair Allocations to the SVAA and once validated the SVAA shall procure MSID Standing Data for each composite MSID within the MSID Pair and record the relevant details in the SVA Metering System Balancing Services Register".

Calculate Secondary BM Unit Demand Volume

HHDA's shall send Allocated Metering System Metered Consumption to the SVAA where requested.

- SVAA shall calculate Secondary Half Hourly Consumption (non Losses) and Secondary Half Hourly Consumption (Losses) in accordance with Annex S-2 section 7, and send to the VLP(s) for the relevant Secondary BM Unit.

For each MSID where the SVAA has received Allocated Metering System Metered Consumption volumes for a Settlement Period, the SVAA shall aggregate volumes per Secondary BM Unit:

- SVAA shall calculate Secondary BM Unit Demand Volume, by summing Secondary BM Unit Demand Volumes (non Losses) and Secondary BM Unit Delivered Volumes (Losses) for a particular Secondary BM Unit, and send to the SAA.

Calculate Secondary BM Unit Supplier Delivered Volumes

The CRA shall send details of MSID Pairs in Secondary BM Units and the constituent Metering System Number(s) to the SVAA;

Virtual Lead Parties shall send MSID Pair Delivered Volumes to the SVAA for delivered Balancing Services for a settlement period – a TERRE Bid; and HHDA's shall send MSID Half Hourly Metered Volumes to the SVAA.

- SVAA shall calculate Secondary Half Hourly Delivered (non Losses) and Secondary Half Hourly Delivered (Losses) in accordance with Annex S-2 section 7, and send to the Supplier(s) for the relevant (Primary) BM Unit(s)³.

For each MSID Pair Secondary BM Unit where the SVAA has received MSID Pair Delivered Volumes for a Settlement Period, the SVAA shall calculate for each constituent Metering System Number in that MSID Pair aggregate volume per Supplier Primary BM Unit per Secondary BM Unit:

Secondary BM Unit Delivered Volumes (non Losses) and Secondary BM Unit Delivered Volumes (Losses) in accordance with Annex S-2 section 7, and send to the Supplier(s) for the relevant (Primary) BM Unit(s)⁴;

- SVAA shall calculate Secondary BM Unit Supplier Delivered Volumes, by summing Secondary BM Unit Delivered Volumes (non Losses) and Secondary BM Unit Delivered Volumes (Losses) for each Supplier Primary BM Unit per Secondary BM Unit, and send to the SAA.

Amend section 1.2 as follows:

1.2 Main Users of Procedure and their Responsibilities

This BSC Procedure should be used in the main by the SVAA.

However, the following organisations will also require input from or output to the SVAA:

³ For P344 Proposed, only if Customer consent has been granted.

⁴ For P344 Proposed, only if Customer consent has been granted.

<u>Process / Application System</u>	<u>Organisations</u>
(i) Temperature / Sunset data	Temperature Provider / Sunset Provider
(ii) Regression equations	BSCCo
(iii) Teleswitch messages	Teleswitch Agent
(iv) EAC/AA Calculation	Non-Half Hourly Data Collectors (NHHDCs)
(v) Non-Half Hourly Data Aggregation	NHHDA
(vi) Supplier Meter Registration Services (SMRS)	SMRAs
(vii) HH Data Aggregation	HHDA
(ix) GSP Group Take	CDCA
(x) Supplier Reconciliation (inc. DUoS)	Suppliers
(xi) <u>TUoS Billing</u>	Transmission Company - Ancillary Services Provider (ASP) Transmission Company - TUoS
(xii) DUoS Billing	LDSO
(xiii) MDD Management	MDDM
(xiv) Qualification information	Qualification Service Provider
(xv) Re-calculate EAC and AFYC values	NHHDCs, Suppliers.
(xvi) BSC Service Desk	SVAA
(xvii) BM Unit Data	CRA
(xviii) Supplier Take	SAA
(xix) <u>Provision of Metering System Half Hourly Metered Volumes</u>	<u>HHDA</u>
(xx) <u>Calculation of Secondary BM Unit Half Hourly Delivered Volumes</u>	<u>SVAA</u>
(xxi) <u>Calculation of Secondary BM Unit Supplier Delivered Volumes</u>	<u>SVAA</u>
(xxii) <u>Calculation of Secondary Half Hourly Consumption Volumes</u>	<u>SVAA</u>
(xxiii) <u>Calculation of Secondary BM Unit Demand Volumes</u>	<u>SVAA</u>

The SVA System will apply version controls to all data received. All data received will have a date and version stamp attached to it.

Amend section 1.5 as follows:

1.5 Associated BSC Procedures

BSCP01	Overview of Trading Arrangements.
BSCP11	Trading Disputes
BSCP128	Production, Submission, Audit and Approval of Line Loss Factors
BSCP501	Supplier Meter Registration Service.
BSCP502	Half Hourly Data Collection for Metering Systems Registered in SMRS.

BSCP503	Half Hourly Data Aggregation for Metering Systems Registered in SMRS.
BSCP504	Non-Half Hourly Data Collection for SVA Metering Systems Registered in SMRS.
BSCP505	Non-Half Hourly Data Aggregation for Metering Systems Registered in SMRS.
BSCP507	Supplier Volume Allocation Standing Data Changes.
BSCP509	Changes to Market Domain Data.
BSCP514	SVA Meter Operation for Metering Systems Registered in SMRS
BSCP515	Licensed Distribution
BSCP537	Qualification Process for SVA Parties, SVA Party Agents and CVA MOAs.
<u>BSCP602</u>	<u>SVA Metering System Balancing Services Register</u>

Amend section 1.6.2 as follows:

1.6.2 Definitions

Full definitions of the above acronyms are, where appropriate, included in the Balancing and Settlement Code.

Host LDSO An LDSO operating a distribution network that is directly connected to the Transmission System in their own distribution licence area.

[**Virtual Lead Party**](#) [Has the meaning given in Annex X-1 of the BSC](#)

[**Secondary BM Unit**](#) [Has the meaning given in Annex X-1 of the BSC](#)

[**MSID Pair**](#) [Has the meaning given in Annex X-1 of the BSC](#)

[**MSID Pair Delivered Volume**](#) [Has the meaning given in Annex X-1 of the BSC](#)

Amend section 3.2A as follows:

3.2A Interim Information Volume Allocation Run for Settlement Day Error! Bookmark not defined.

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. <u>Send Allocated Metering System Metered Consumption (i.e. non--aggregated HH meter data), in clocktime, in kwh, for Metering System Numbers specified by the SVAA.</u>	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). <u>Dxxxx Metering System Half Hourly Metered Volumes</u>	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. At least 4 working hours before deadline of end of SD+3. On SD+3.	Load and validate incoming DA files. Check that DA files expected have been received: a) If file expected but not received, ask DA to send file. Send file to SVAA.	SVAA. SVAA. HHDA. NHHDA.	SVAA. HHDA, NHHDA SVAA.	Appendix 4.1 – Validate Incoming Data. P0034 Missing Data. Refer to the dataflow listed in 3.2A.1. Refer to the dataflow listed in 3.2A.2.	Internal Process. Electronic or other method as agreed. Electronic or other method as agreed.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
		b) If file fails any validation check for reasons other than standing data mismatch ⁵ , ask DA to assess if 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 corrected file to SVAA.	HHDA. NHHDA	SVAA.	Refer to the dataflow listed in 3.2A.1.	Electronic or other method as agreed.
		Re-load and validate DA files.	SVAA.		Refer to the dataflow listed in 3.2A.2.	Internal Process.
	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.
	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.

⁵ 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
		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 ⁶ : 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. Inform BSC Service Desk. BSC Service Desk logs call.	SVAA. SVAA. BSC Service Desk ⁷ .	 BSC Service Desk.		Internal Process. Electronic or other method as agreed. Internal Process.
		b) If file not received as expected use default data. Retrieve all input data for use in Interim Information Volume Allocation Run.	SVAA. SVAA.			Internal Process. Internal Process.
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.

⁶ 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.

⁷ The BSC Service Desk will request second line support from SVAA to resolve the validation errors.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
				LDSO Panel.	P0036 Default Data (relating to LLF defaults only). P0036 Default Data (relating to all defaults excluding Base BM Unit data).	
3.2A.9	After 3.2A.7.	Calculate the Supplier Deemed Take 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.
3.2A.10	After 3.2A.9	Validate that the GSP Group Correction Factor is within pre-determined tolerances. 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.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2A.11	After 3.2A.10	Validate difference between GSP Group uncorrected consumption and GSP Group Take values. If any value is not within tolerances abort and investigate source of error, otherwise proceed with Volume Allocation Run. 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.
	If process triggered by SVAA	Undertake analysis of data and resolve issues where possible by Initial Volume Allocation Run	BSCCo			Internal Process
3.2A.12	After 3.2A.11	Calculate the Supplier Deemed Take ⁸ .	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.13	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.

⁸ 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.14	After 3.2A.13.	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.15	After 3.2A.14 and if problem with file.	Send notification that problem with file.	SAA	SVAA.	P0187 SAA Data Exception Report.	Manual Process.
3.2A.16	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.
<u>3.2A.17</u>	<u>After 3.2A.12</u>	<u>Calculate the Secondary BM Unit Half Hourly Delivered Volumes where applicable⁹.</u>	<u>SVAA</u>		<u>Calculate Secondary BM Unit Metering System Delivered Volume (No Losses):</u> <u>Calculate Secondary BM Unit Half Hourly Delivered Volume (Losses):</u> <u>Calculate Secondary Half Hourly Delivered Volume (Non-Losses)</u>	<u>Internal process</u>
<u>3.2A.18</u>	<u>After 3.2A.12</u>	<u>Calculate the Secondary Half Hourly Consumption Volumes where applicable¹⁰.</u>	<u>SVAA</u>		<u>Calculate Metering System Metered Consumption</u> <u>Calculate Secondary Half Hourly Consumption Volume (Losses)</u> <u>Calculate Secondary Half Hourly Consumption Volume (Non-Losses)</u>	<u>Internal process</u>

⁹ If a MSID Pair delivered volume has been

¹⁰ If a MSID Pair delivered volume has been

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
<u>3.2A.198</u>	<u>After 3.2A.17</u>	<u>Send the Secondary BM Unit Half Hourly Delivered Volume (No Losses) and the Secondary BM Unit Half Hourly Delivered Volume (Losses) to the Supplier(s) responsible for the Metering System Number(s)¹¹</u>	<u>SVAA</u>	<u>Supplier</u>	<u>Pxxxx</u>	<u>Electronic or other method as agreed.</u>
<u>3.2A.20</u>	<u>After 3.2A.18</u>	<u>Send the Secondary Half Hourly Consumption Volume (Non Losses) and the Secondary Half Hourly Consumption Volume (Losses) to the VLP(s) responsible for the Metering System Number(s)</u>	<u>SVAA</u>	<u>VLP</u>	<u>Pxxxx</u>	<u>Electronic or other method as agreed.</u>
<u>3.2A.2149</u>	<u>After 3.2A.178</u>	<u>Calculate the Secondary BM Unit Supplier Delivered Volumes where applicable¹².</u>	<u>SVAA</u>		<u>Calculate the Secondary BM Unit Supplier Delivered Volumes by summing the the Secondary BM Unit Delivered Volume (No Losses) and the Secondary BM Unit Delivered Volume (Losses) for each Virtual Lead Party</u>	<u>Internal Process</u>
<u>3.2A.22</u>	<u>After 3.2A.18</u>	<u>Calculate the Secondary BM Unit Demand Volumes.</u>	<u>SVAA</u>			<u>Internal Process</u>
<u>3.2A.230</u>	<u>After 3.2A.2149</u>	<u>Send the Secondary BM Unit Supplier Delivered Volumes to the SAA</u>	<u>SVAA</u>	<u>SAA</u>	<u>Pxxxx - Secondary BM Unit Supplier Delivered Volumes</u>	<u>Electronic or other method as agreed.</u>
<u>3.2A.24</u>	<u>After 3.2A.22</u>	<u>Send the Secondary BM Unit Demand Volumes to the SAA</u>	<u>SVAA</u>	<u>SAA</u>	<u>Pxxxx- Secondary BM Unit Demand Volumes</u>	<u>Electronic or other method as agreed.</u>

Amend section 3.2B as follows:

¹¹ For P344 Proposed, only where Customer Consent Has been given.

¹² If a MSID Pair delivered volume has been received

3.2B Initial Volume Allocation Run for Settlement Day Error! Bookmark not defined.

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. <u>Send non aggregated HH meter data, in clocktime, in kwh, for Metering System Numbers specified by the SVAA.</u>	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). <u>Dxxxx Metering System Half Hourly Metered Volumes</u>	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. At least 4 working hours before deadline of SD+14. By SD+14. Within 2 working hours of notification received from SVAA.	Load and validate incoming DA files. Check that DA files expected have been received. a) If file expected but not received, ask DA to send file. Send file to SVAA. b) If file fails any validation check invalid for reason other than standing data mismatch ⁵ , ask DA to assess if is valid. If file is valid notify the SVAA or send correct file to SVAA.	SVAA. SVAA. HHDA. NHHDA. SVAA. HHDA. NHHDA.	SVAA. HHDA, NHHDA SVAA. HHDA, NHHDA. SVAA.	Appendix 4.1 – Validate Incoming Data. P0034 Missing Data. Refer to the dataflow listed in 3.2B.1. Refer to the dataflow listed in 3.2B.2. P0035 Invalid Data. Refer to the dataflow listed in 3.2B.1. Refer to the dataflow listed in 3.2B.2.	Internal Process. Electronic or other method as agreed. Electronic or other method as agreed. Electronic or other method as agreed.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
	On receipt of corrected file until VAR is invoked.	Re-load and validate DA files. Re-load and validate DA files.	SVAA. SVAA.		Refer to the dataflow listed in 3.2B.1. Refer to the dataflow listed in 3.2B.2.	Internal Process. 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. Within 1 working hour of receipt of notification from SVAA.	Load and validate incoming CDCA data. a) If CDCA data missing, notify CDCA and await submission of data. Send CDCA data to SVAA. b) If CDCA data invalid, contact the Panel and carry out action as agreed with Panel.	SVAA. SVAA. CDCA. SVAA.	 CDCA. Panel.	Appendix 4.1 – Validate Incoming Data. P0034 Missing Data. Refer to the dataflow listed in 3.2B.6.	Internal Process. Manual Process. Electronic or other method as agreed. Manual Process.
3.2B.7	From 9:00 am on SD+15.	Invoke run ¹³ : Review the DA files and check that the expected files have been received:	SVAA.		Appendix 4.1 - Validate Incoming Data.	Internal Process.

¹³ 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
		<p>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.</p> <p>Inform BSC Service Desk.</p> <p>BSC Service Desk logs call.</p>	<p>SVAA.</p> <p>SVAA.</p> <p>BSC Service Desk⁷.</p>	<p>BSC Service Desk.</p>		<p>Internal Process.</p> <p>Electronic or other method as agreed.</p> <p>Internal Process.</p>
		<p>b) If file not received as expected, default data.</p> <p>Retrieve all input data for use in Initial Volume Allocation Run.</p>	<p>SVAA.</p> <p>SVAA.</p>			<p>Internal Process.</p> <p>Internal Process.</p>
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.	<p>Suppliers.</p> <p>LDSO</p> <p>Panel.</p>	<p>P0036 Default Data (relating to DA defaults only).</p> <p>P0036 Default Data (relating to LLF defaults only).</p> <p>P0036 Default Data (relating to all defaults excluding Base BM Unit data).</p>	Manual Process.
3.2B.9	After 3.2B.7.	Calculate the Supplier Deemed Take ⁸ and GSP Group Correction Factor.	SVAA.		<p><u>Base BM Unit Allocation:</u></p> <p>Allocate Base BM Unit per Supplier if no BM Unit nominated by Supplier or if invalid BM Unit received.</p>	Internal Process.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
					<u>Profile and Line Loss Adjust SPM:</u> 1. Allocate NHH BMU(s) for nominated Supplier(s). 2. Profile SPM data. 3. Aggregate Profiled data. 4. Adjust for Line Losses. <u>Calculate GSP Group Correction Factor and GSP Group uncorrected consumption.</u>	
3.2B.10	After 3.2B.9	Validate that the GSP Group Correction Factor is within pre-determined tolerances. 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 If any value is not within tolerances, abort and investigate source of error, otherwise proceed with Volume Allocation Run. If resolved, return to 3.2B.7.	SVAA.		Appendix 4.2 - Validate Volume Allocation Run Data.	Internal Process.
	If error unresolved following 3.2B.10 or 3.2B.11	Inform BSCCo and return to 3.2B.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	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2B.12	After 3.2B.11	Calculate the Supplier Deemed Take ⁸ .			<u>Supplier Deemed Take:</u> 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.	
3.2B.13	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.14	After 3.2B.13.	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.15	After 3.2B.13 and if problem with file.	Send notification that problem with file.	SAA	SVAA.	P0187 SAA Data Exception Report.	Manual Process.
3.2B.16	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.17	By SD+17.	Send remaining Initial Volume Allocation Run Reports to the LDSO, Suppliers and BSCCo.	SVAA.	LDSO.	D0030 Aggregated DUoS Report ^{14, 15}	Electronic or other method as agreed.

¹⁴ 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).

¹⁵ The D0030 and D0314 will be produced using LDSO mapping data provided on the P0239.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
			SVAA.	Host LDSO	D0314 Non Half Hourly Embedded Network DUoS Report. ¹⁵	
			SVAA.	Suppliers.	D0030 Aggregated DUoS Report. ¹⁵ 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. ¹⁶	
			SVAA.	BSCCo.	P0276 BSCCo GSP Group Consumption Totals Report. ¹⁷ P0277 GSP Group Market Matrix Report.	
3.2B.18	Following 3.2B.17	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.
3.2B.19	After 3.2B.13	As for 3.2A.17 - 3.2A.20				

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 ^{18 19}	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
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¹⁶ This dataflow is optional and is only sent by the SVAA if the Supplier requests the dataflow via the BSC Service Desk.

¹⁷ This data flow is only produced for the Initial Settlement (SF), Final Reconciliation (RF) and Final Dispute (DF) Settlement Types

¹⁸ 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.

REF	WHEN ^{18 19}	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 invalid for reasons other than standing data mismatch ⁵ , 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 corrected 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.
	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.
		Re-load and validate DA files.	SVAA.			Internal Process.

¹⁹ 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 ^{18 19}	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
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. 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 ²⁰ : Review the DA files and check that the expected files have been received : 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. Inform BSC Service Desk. BSC Service Desk logs call. b) If file not received as expected, default data.	SVAA. SVAA. SVAA. BSC Service Desk ⁷ . SVAA.	BSC Service Desk.	Appendix 4.1 – Validate Incoming Data.	Internal Process. Internal Process. Electronic or other method as agreed. Internal Process. 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 ²¹ .	Suppliers.	P0036 Default Data (relating to DA defaults only).	Manual Process.

²⁰ 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.

²¹ 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 ^{18 19}	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
				LDSO Panel.	P0036 Default Data (relating to LLF defaults only). P0036 Default Data (relating to all defaults excluding Base BM Unit data).	
3.3.9	By T-5 WD.	Calculate the Supplier Deemed Take ⁸ .	SVAA.		<u>Base BM Unit Allocation:</u> Allocate Base BM Unit per Supplier if no BM Unit nominated by Supplier or if invalid BM Unit received. <u>Profile and Line Loss Adjust SPM:</u> 1. Allocate NHH BMU(s) for nominated Supplier(s). 2. Profile SPM data. 3. Aggregate Profiled data. 4. Adjust for Line Losses. Calculate GSP Group Correction Factor and GSP Group uncorrected consumption. <u>Supplier Deemed Take :</u> 1. Calculate and apply GSP Group Correction Factor. 2. Calculate <u>Supplier Deemed Take</u> , 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.

REF	WHEN ^{18 19}	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.10	After 3.3.9.	<p>Validate that the GSP Group Correction Factor is within pre-determined tolerances.</p> <p>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.</p>	SVAA.		Appendix 4.2 - Validate Volume Allocation Run Data.	Internal Process.
3.3.11	After 3.3.10.	<p>Validate the difference between GSP Group uncorrected consumption and GSP Group Take.</p> <p>If any value is not within tolerances, abort and investigate source of error.</p> <p>Otherwise proceed with Volume Allocation Run.</p> <p>If resolved, return to 3.3.7.</p>	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 ^{18 19}	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.12	After 3.3.11.	Calculate the Supplier Deemed Take ⁸ .			<u>Supplier Deemed Take :</u> 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.	
3.3.13	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. P0236 BM Unit SVA Gross Demand Data File	Electronic or other method as agreed.
3.3.14	After 3.3.13.	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.
3.3.15	After 3.3.14 and prior to 3.3.16 and if problem with file.	Send notification that problem with file.	SAA.	SVAA ²² .	P0187 SAA Data Exception Report.	Manual Process.
3.3.16	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.
3.3.17	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. ^{14 15}	Electronic or other method as agreed.
			SVAA.	Host LDSO	D0314 Non Half Hourly Embedded Network DUoS Report ¹⁵	

²² Following receipt of this dataflow, the SVAA will investigate the problem and notify the Panel of the outcome of the investigation.

REF	WHEN ^{18 19}	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
				Suppliers.	D0030 Non Half Hourly DUoS Report. ¹⁵ 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 ¹⁶	
			SVAA.	BSCCo.	P0276 BSCCo GSP Group Consumption Totals Report. ¹⁷ P0277 GSP Group Market Matrix Report.	
3.3.18	Following 3.3.17	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.
3.3.19		As for 3.2A.17 -3.2A.20				

3.10 Receipt of Balancing Mechanism Unit(s)²³

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
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²³ For the avoidance of doubt, this does not include Secondary BM Units

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.10.1	Prior to effective date of BM Unit(s).	Send BM Unit(s) data (Base and / or Additional).	CRA.	MDDM.	P0181 BM Unit Registration Data File ²⁴ .	Electronic or other method as agreed.
3.10.2	Within the same WD where possible otherwise by the close of the next WD.	Send acknowledgement confirming receipt of the BM Unit(s) data.	MDDM.	CRA. CCC.	P0183 Stage 2 NETA Acknowledgement Message. P0024 Acknowledgement. Proceed to Business Event 3.7 – Implementation of MDD Changes.	Electronic or other method as agreed.
3.10.3	Within 1 WD of receipt of P0181 from CRA.	Send all BM Unit Registration Data files received from CRA since last MDD publish.	MDDM.	BSCCo.	P0181 BM Unit Registration Data File.	Email.

The Disconnection related SVAA reports (i.e. D0369, D0370, D0371, D0372, D0373 and D0374) are designed to allow more than one Demand Control Event to be reported for a single Settlement Date. In practice the SVAA will aggregate all disconnection related volumes and report them against the first Demand Control Event of the Settlement Date.

3A Validate Stage 2 - Half Hourly MSID Data

The SVAA will use the software to validate the disaggregated Half Hourly MSID 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.

²⁴ The BM Unit data will be received directly by MDDM however the MDDM will not publish this MDD until a request is received from the CCC via Business Event 3.7.

- 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 Metering System Number(s), as recorded in the standing data - i.e. only Metering System Numbers for which the SVAA has requested Half Hourly MSID data. 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 Metering System Number(s), as recorded in the standing data - i.e. only Metering System Numbers for which the SVAA has requested Half Hourly MSID data. If not then an error exception entry will be written and the file rejected (until the standing data is amended by the SVAA).
- ix. The file is not a null file.