Redlined BSCP01 text for CP1517 'Changes to BSC Configurable Items for the TERRE Final Implementation Date'

This CP proposes changes to sections 1.5, 1.6.1, 3.1, and 4.1. We have redlined these changes against Version 18.0

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

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Amend section 1.5 as follows:

1.5 Associated BSC Procedures

The following is a list of BSCPs covering activities and interfaces that are dependent on the Settlement timetable:

BSCP03	Data estimation and substitution for CVA
BSCP04	BM Unit Metered Volumes for Interconnector Users
BSCP11	Trading Disputes
BSCP65	Registration of BSC Parties and Exit Procedures
BSCP68	Transfer of Registration of metering systems between CMRS and SMRS
BSCP71	Submission of ECVNs and MVRNs
BSCP301	Clearing, Invoicing and Payment
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 Metering Systems Registered in SMRS
BSCP505	Non Half Hourly Data Aggregation for Metering Systems Registered in SMRS
BSCP508	Supplier Volume Allocation Agent
BSCP514	SVA Meter Operations for Metering Systems Registered in SMRS
BSCP602	SVA Metering System Balancing Services Register

Amend section 1.6.1 as follows:

1.6 Overview of Trading Arrangements and Settlement Process

1.6.1 Introduction

The Code sets out the obligations with which all Parties must comply and details the arrangements for participation in the balancing mechanism and the Settlement of balancing mechanism transactions and imbalances in Great Britain.

Seasonal Transmission Loss Factors (TLFs) in respect of a BSC Year will be derived and published on the ELEXON Portal by no later than 31 December in the preceding BSC Year. Seasonal TLFs will be loaded into CRA no later than 5 WD before the start of the relevant BSC Season. SAA will access Seasonal TLFs for a Settlement Day via the shared SAA/CRA/CDCA

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database. Consequently Seasonal TLFs are not referenced in Section 4, Interface and Timetable Information.

It is expected that Parties to the Code will enter into bilateral contracts in advance of the Submission Deadline (the notification deadline for the purposes of submitting Energy Contract Volume and Meter Volume Reallocation Notifications for each Settlement Period as defined in Annex X-1). These bilateral contract volumes must be notified to the ECVAA no later than the Submission Deadline for the relevant Settlement Period if they are to be taken into account for the purposes of calculating energy imbalances for that Settlement Period, but may be submitted at any time in advance of the Submission Deadline for the relevant Settlement Period.

Prior to Gate Closure, some Lead Parties of BM Units must submit (and some Lead Parties of BM Units may choose to submit) a Final Physical Notification (FPN) to the National Electricity Transmission System Operator (NETSO). This is a minute by minute profile of the expected power output or consumption of the relevant generation or demand across each Settlement Period.

Lead Parties of BM Units may choose to provide balancing services action for a particular Settlement Period. This willingness to operate at a level other than their FPN is demonstrated with the use of Bids and Offers. An Offer indicates a willingness to increase the level of generation or reduce the level of demand. A Bid indicates a willingness to reduce the level of generation or increase the level of demand.

Virtual Lead Parties and Suppliers may take part in the provision of Replacement Reserve services to the NETSO. Virtual Lead Parties will submit Replacement Reserve Bids through the mechanism of Secondary BM Units and Suppliers will do so through Additional BM Units. Both Secondary BM Units and Supplier Additional BM Units raised for the purposes of Replacement Reserve will be comprised of MSID Pairs. A MSID Pair must contain an Import MSID and will usually (but does not have to) contain an Export MSID. Virtual Lead Parties and Suppliers will submit MSID Pair Delivered volumes to the BSC Central Systems for each accepted Replacement Reserve Bids.

The NETSO takes the submitted FPNs, ~~and~~ Bid/Offer data and Replacement Reserve Bids, together with its own forecast of demand and knowledge of system constraints in the relevant Settlement Period and identifies which Bids and/or Offers it needs to accept in order to control the national and local balance of generation and demand. For each Bid-Offer Acceptance (BOA) the NETSO indicates whether the Acceptance was potentially taken to resolve a transmission constraint using a System Operator Flag (SO-Flag). If the ~~Acceptance~~ BOA was potentially taken to resolve a transmission constraint the SO-Flag is set to TRUE (and is set to FALSE if the NETSO considers the BOA was not taken to resolve a transmission constraint). The SO-Flag is used to determine whether a BOA should retain its price in the calculation of the main Energy Imbalance Price. SO-Flagged BOAs with a price which is more expensive (from the point of view of the System) than the most expensively priced unflagged balancing action are unpriced. BOAs with a less expensive price (from the point of view of the System) than the most expensively priced unflagged action retain their price.

For each Settlement Period the actual volume of energy transferred will be measured for each BM Unit and compared to the expected contracted volume (as notified to the ECVAA) adjusted

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for any accepted Bids and/or Offers. The resulting energy imbalance will be settled using the relevant cash out price calculated by SAA.

In addition to these payments and charges, there is also an information imbalance charge which is applied to the difference between the metered output of a BM Unit and the level at which a BM Unit was expected to operate given its FPN adjusted for any accepted Offers and Bids.

All Balancing Mechanism and Imbalance Settlement calculations will be performed by the SAA who will then issue information to the FAA detailing the amounts payable to or by Trading Parties with respect to each Settlement Period.

For accepted Replacement Reserve Bids, the SVAA will receive MSID Pair Delivered Volume Data and will calculate the appropriate corrections to the imbalance position of each Supplier whose (Primary) BM Unit(s) contain MSID(s) that have been used to provide Replacement Reserve services and send these, along with Secondary BM Unit Delivered Volumes to the SAA for use in Settlement.

Suppliers who operate within Supplier Volume Allocation appoint agents to carry out certain functions required by the Code. These agents include Meter Operator Agents, Data Collectors (half hourly and non half hourly) and Data Aggregators (half hourly and non half hourly). Suppliers register their Agents with the relevant Supplier Meter Registration Service (SMRS).

The Data Collectors collect and process meter readings (including data estimation). Settlement of Non Half Hourly Metering Systems is performed on the basis of profiled Annualised Advance (AA) and Estimated Annual Consumption (EAC) values for onward submission to the Non Half Hourly Data Aggregator. Half Hourly Data Collectors pass validated half hourly metered consumption values to the Half Hourly Data Aggregator.

Half Hourly Data Aggregators will send HH Metering System Metered Volume Data to the SVAA for each MSID notified to it by the SVAA, for use in the Replacement Reserve Settlement calculations.

The Data Aggregators aggregate the meter readings (half hourly) or AA and EAC values (non half hourly) received from the Data Collectors according to the registration data held by the SMRA. The Data Aggregators provide the aggregated data to the SVAA.

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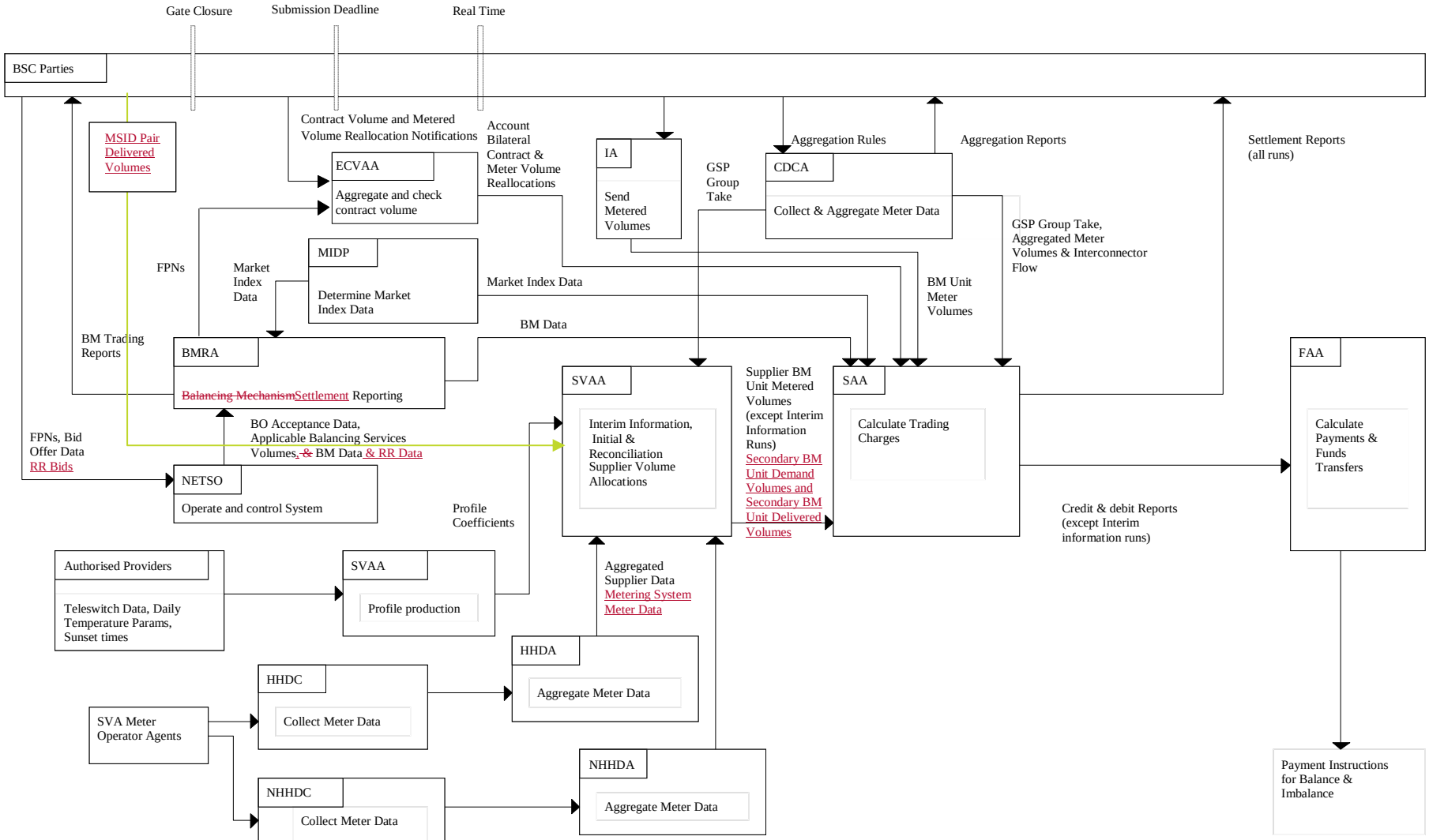
Amend section diagram 3.1 as follows:

3 Process Diagrams

3.1 Trading Arrangements Context Diagram



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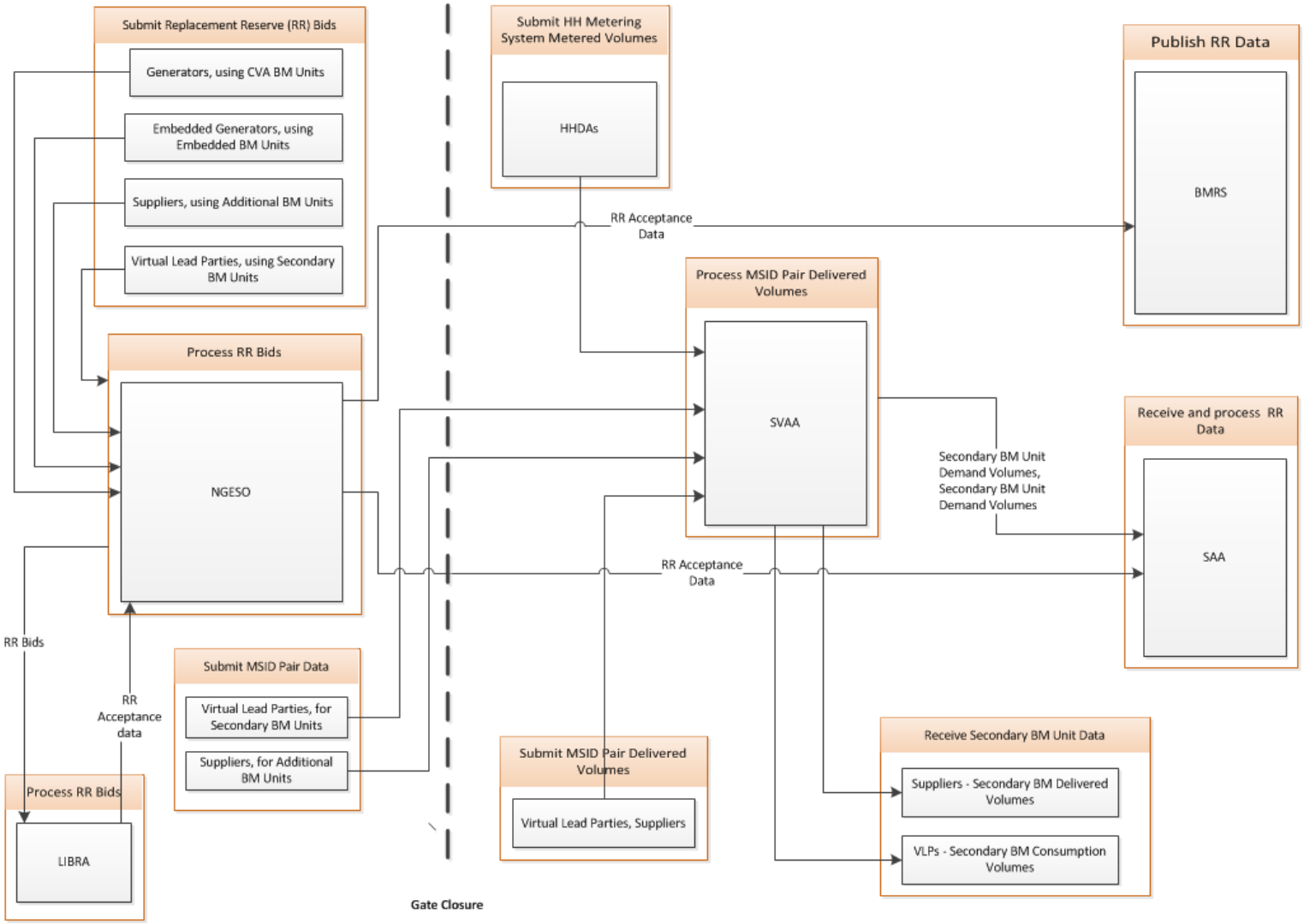
Add new diagram 3.5

3.5 Replacement Reserve Context Diagram



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Amend section 4.1 as follows:

4 Interface and Timetable Information

4.1 Interim Information and Initial Settlement Timetable and Settlement Reports

This section covers the tasks required for the Interim Information and Initial Settlement Runs. The Interim Information run is carried out at approximately 5 WD, with no associated Payment Date. The Initial Settlement Run is carried out at approximately 16 WD, with an associated Payment Date of approximately 20 – 21 WD.

Ref	Task	Responsibility	Time-scale
1	Send to ECVAA Energy Contract Volume Notifications	ECVNA	To be received by ECVAA before the Submission Deadline
2	Send to ECVAA: Meter Volume Reallocation Notifications	MVRNA	To be received by ECVAA before the Submission Deadline
3	Send the following information (for each BM Unit in respect of which the Lead Party is obliged to submit a FPN or has chosen to submit a FPN) to the NETSO: Final Physical Notification Data Quiescent Physical Notification Data (optional) Bid / Offer Data (Required only if trading in Balancing Mechanism) Dynamic Data	Lead Parties	To be received by the NETSO before Gate Closure
4	Send to BMRA: Market Index Data	Market Index Data Providers	Target by end of Settlement Period
5	Accept Bids and Offers as required to meet forecast and actual system conditions. Acceptances which are taken to resolve transmission constraints are SO-Flagged.	NETSO	Not later than 15 minutes following the issue of an Acceptance; or In the case of an Emergency Instruction, as soon as reasonably practicable.
6	Energy Transfer and Metering	Lead Parties	Settlement Period

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Ref	Task	Responsibility	Time-scale
7	Send the following information to BMRA (for information / storage) for each BM Unit in respect of which the Lead Party is obliged to submit a FPN or has chosen to submit a FPN to the NETSO: Maximum Export Limit Maximum Import Limit Final Physical Notification Data Quiescent Physical Notification Data (if submitted by Parties in step 3) Dynamic Data Bid Offer Data (for those BM Units for which such data has been provided) Acceptance Data System related Data BM Unit Applicable Balancing Services Volume Data Replacement Reserve Data	NETSO	Target Times: Not later than 5 minutes following receipt Not later than 15 minutes following Gate closure for each Settlement Period Not later than 1200 hrs each day
8	Send Final Physical Notification Data to ECVAA. Calculate Indicative System Buy Price and Indicative System Sell Price and publish relevant data	BMRA	Upon receipt from the NETSO. 15 + CADL minutes after end of Settlement Period.
9	Send the following information to SAA to enable Settlement: Final Physical Notification Data Quiescent Physical Notification Data (if available) Balancing Services Adjustment Data Bid Offer Data Acceptance Data Any Dynamic Data received by the NETSO during the Settlement Day BM Unit Applicable Balancing Services Volume Data	BMRA	The next day following the Settlement Day for Balancing Services Adjustment Data, and by 15 minutes following the end of the Settlement Day for the other items. Within 2 Business Days following the relevant Settlement Period for BM Unit Applicable Balancing Services Volume Data
10	Interrogate Metering Systems registered by Parties with the CRA and collect consumption data. Send to relevant Parties: Raw Meter Data together with any validation criteria	CDCA	Send out by Settlement Day +1 (1300hrs)
11	Send to SVAA: Tele-switch data	Tele-switch Agent	By +1 WD (by 1000hrs)

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Ref	Task	Responsibility	Time-scale
12	Obtain the following data from relevant authorised providers: Daily temperature parameters by GSP Group Sunset times by GSP Group (annually) Perform Profile Production Run Send Profile Reports to Suppliers and NHHDCs	SVAA	By +1 WD (by 1000hrs) By +1 WD (by 1700hrs)
13	Send to ~~the~~ SAA: BM Unit Metered Volumes for the BM Units of each Interconnector User for each Interconnector	IA	By +1 WD
14	Send to SAA: Market Index Data	Market Index Data Providers	By +1 WD
15	Suppliers raise query on Daily Profile Production Reports if necessary and log with Dispute Administrator	Supplier	By +3 WD (by 1000hrs)
16	Send to SVAA: MSID Pair Delivered Volumes for accepted Replacement Reserve Bids	VLP Supplier	By +3 WD (by 1700hrs)
17 ~~16~~	Resolve Daily Profile Production query	SVAA	By +4 WD (by 1300hrs)
18 ~~17~~	Amend Profile variables ready to re-run Daily Profile Production, if necessary	SVAA	By +4 WD (by 1500hrs)
19 ~~18~~	If re-run of Daily Profile Production required then carry this out and send revised Daily Profile Production Reports to relevant Suppliers	SVAA	By +4 WD (by 1730hrs)
20 ~~19~~	Collate information for use in the Interim Information Run Send to SAA: Meter Volume Reallocation Notification, by BM Unit for each Settlement Period Account Bilateral Contract Volumes for each Settlement Period by BSC Party	ECVAA	In accordance with SAA Settlement Calendar

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Ref	Task	Responsibility	Time-scale
21 ~~20~~	Carry out CDCA Aggregation for Interim Information Volume Allocation Run using the latest available data, i.e. valid actual meter data and/or agreed estimated meter data (for all missing or invalid readings) and the latest available approved Line Loss Factors, Aggregation Rules, Registration Data and Meter Technical Details. Send to SAA: BM Unit Metered Volumes for each BM Unit GSP Group Take Interconnector Metered Volumes Send to SVAA: GSP Group Take Send to BSC Parties: GSP Group Take Send to Lead Party and NETSO BM Unit Aggregation Report	CDCA	By + 4 WD (0900hrs)
22 ~~21~~	Ensure Agents send to SVAA: Half Hourly Aggregation Files from HHDAs Supplier Purchase Matrices from NHHDAs	Suppliers	By +4 WD (0900hrs)
23 ~~22~~	Carry out Interim Information Volume Allocation Run Calculate the Supplier Volume Allocations for each BM Unit	SVAA	By +4 WD (from 0900hrs)
24 ~~23~~	Send to SAA: BM Unit Metered volumes for Supplier BM Units	SVAA	For receipt by + 5 WD (0900hrs)
25 ~~24~~	Send Interim Information Volume Allocation Run Reports to relevant Suppliers	SVAA	By +5 WD
26 ~~25~~	Carry out Interim Information Settlement Run using data from CDCA, ECVAA, SVAA, NETSO and MIDPs and send relevant reports to Parties. Issue IIR Credits/Debits Report to ECVAA.	SAA	By + 5 WD or later if delayed in accordance with the Code
27 ~~26~~	Implement SVAA resolution on profile query or request arbitration from Disputes Administrator	Supplier	By + 5 WD (by 1600hrs)
28 ~~27~~	Communicate outcome of arbitration to affected Suppliers and SVAA	Dispute Administrator	By +7 WD (by 1000hrs)
29 ~~28~~	If arbitration against SVAA, amend profile variables ready to re-run Daily Profile Production	SVAA	By +7 WD (by 1430hrs)

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Ref	Task	Responsibility	Time-scale
30 ~~29~~	Implement results from arbitration and send revised profiles to affected Suppliers	SVAA	By +7 WD (by 1800hrs)
31 ~~30~~	Estimate volumes for missing or disputed data in accordance with the Code. Carry out CDCA Aggregation for Initial Volume Allocation Run using the latest available data i.e. valid actual meter readings and/or any agreed estimates and the latest available approved Line Loss Factors, Aggregation Rules, Registration Data and Meter Technical Details. Send to Parties: GSP Group Take Send to Lead Party and NETSO BM Unit Aggregation Report Send to SVAA: GSP Group Take Send to SAA: CDCA Aggregation File	CDCA	For receipt by +14 WD
32 ~~31~~	Ensure Agents send to SVAA: Half Hourly Aggregation Files from HHDAs Supplier Purchase Matrices from NHHDAs	Suppliers	By +14 WD
33 ~~32~~	Carry out Initial Volume Allocation Run Calculate the Supplier Volume Allocations for each BM Unit	SVAA	By +15 WD (from 0900hrs)
34 ~~33~~	Send to SAA: BM Unit Metered volumes for Supplier BM Units Secondary BM Units Demand Volumes Secondary BM Unit Delivered Volumes	SVAA	For receipt by + 16 WD (0900hrs)
35 ~~34~~	Send: Relevant Reports to NETSO DUoS Report to Distribution Businesses Initial Volume Allocation Run Reports to Suppliers	SVAA	By + 16 WD (before 1230hrs)))By + 17 WD)
36 ~~35~~	Carry out Initial Settlement Run using latest files from NETSO, ECVAA, CDCA and SVAA and MIDPs; and send relevant reports to BSC Parties. Send Settlement Report to FAA	SAA	By +16 WD (subject to SAA Settlement Calendar) or later if delayed in accordance with the Code For receipt by + 17 WD (0900hrs) (subject to Payment Calendar)

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Ref	Task	Responsibility	Time-scale
37 ~~36~~	Receive Settlement Report from SAA Calculate Payments	FAA	By +17–18 WD (subject to Payment Calendar)
38 ~~37~~	Send Advice Notes to Payment Parties	FAA	By +17–18 WD (subject to Payment Calendar)

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