DRAFT LEGAL TEXT FOR PROPOSED MODIFICATION P375

SECTION J: PARTY AGENTS AND QUALIFICATION UNDER THE CODE (VERSION 14.0)

1.   GENERAL

Amend paragraph 1.1 to read as follows:

1.1.1   This Section J sets out or refers to:

(a)   the types of obligations and activities under the Code which Parties are obliged to perform through the use of Party Agents;

(b)   the duties of Parties to ensure that Party Agent functions are discharged in accordance with relevant performance levels;

(c)   the Qualification Requirements which must be met and the Qualification Process which must be completed by certain Parties and Party Agents under the Code; and

(d)   the obligation of Parties to register relevant Party Agents in CMRS, ~~or~~ SMRS, or the AMRS (as the case may be).

1.1.2   In this Section J, in relation to a SVA Metering System or Asset Metering System:

(a)   references to a Data Collector are to a Half Hourly Data Collector or Non Half Hourly Data Collector; and

(b)   references to a Data Aggregator are to a Half Hourly Data Aggregator or a Non Half Hourly Data Aggregator,

in each case as applicable depending on whether the relevant Metering System is a Half Hourly Metering System or a Non Half Hourly Metering System.

Amend paragraph 1.2.1 to read as follows:

1.2.1   Each Party shall secure that the following Party Agents are appointed and used, subject to and in accordance with the provisions of this Section J, to perform the obligations and carry out the activities of such Party described in paragraph 1.2.2:

(a)   in relation to each Metering System for which such Party is or is to be the Registrant (other than a Metering System which relates to an Unmetered Supply), a Meter Operator Agent;

(b)   in relation to each SVA Metering System for which such Party is or is to be the Registrant:

(i)   a Data Collector; and

(ii)   a Data Aggregator;

(c)   in relation to each SVA Metering System which relates to an Equivalent Unmetered Supply and for which such Party is or is to be the Registrant, a Meter Administrator.

Amend paragraph 1.2.2 to read as follows:

1.2.2   In respect of Metering Systems (or SVA Metering Systems, as the case may be) for which a Party is the Registrant, the principal obligations and activities which that Party is required to perform through the use of a Party Agent (and which represent the functions of such Party Agent) are as follows:

(a)   in the case of a Meter Operator Agent, to install, commission, test and maintain, rectify faults and provide a sealing service in respect of Metering Equipment (including, if applicable, associated Communications Equipment) in accordance with the provisions of Section L (except to the extent that Section L and the relevant Code of Practice requires the Equipment Owner to perform such activities);

(b)   in the case of a Half Hourly Data Collector, to retrieve, validate and process metering data from Half Hourly Meters and Equivalent Meters in respect of SVA Metering Equipment or Asset Metering Equipment in accordance with the provisions of Section S;

(c)   in the case of a Non Half Hourly Data Collector, to retrieve, validate and process metering data from Non Half Hourly Meters in respect of SVA Metering Equipment in accordance with the provisions of Section S;

(d)   in the case of a Half Hourly Data Aggregator, to aggregate metering data received from such Party's Half Hourly Data Collectors and provide such aggregated data to the SVAA in accordance with the provisions of Section S;

(e)   in the case of a Non Half Hourly Data Aggregator, to aggregate metering data received from such Party's Non Half Hourly Data Collectors and provide such aggregated data to the SVAA in accordance with the provisions of Section S;

(f)   in the case of a Meter Administrator, to calculate estimated energy consumption for Equivalent Unmetered Supplies and to provide the relevant data to such Party's Half Hourly Data Collector in accordance with the provisions of Section S.

5.   PARTY RESPONSIBILITIES

Insert Paragraph 5.1.3 to read as follows:

5.1.3   Each Virtual Lead Party shall ensure that it and each of its Party Agents who are to be responsible for Asset Metering Systems within an Asset Meter Register (AMR) has satisfied the requirements of the Qualification Process in accordance with this Section J and BSCP537 before any registration of that Party Agent in respect of an Asset Metering System in that AMR becomes effective.

6.   REGISTRATION

Add paragraph 6.1.4A to read as follows:

6.1.4A   In respect of each Asset Metering System for which a Virtual Lead Party is or is to be the Registrant, such Virtual Lead Party shall register (and ensure that there is registered at all times) in AMRS the identity of the person(s) appointed to act as the following Party Agents (as applicable to such Asset Metering System) with effect from the time when it becomes the Registrant of such Asset Metering System and for so long as it remains the Registrant of such Asset Metering System:

(a)   Meter Operator Agent;

(b)   Data Collector;

in each case in accordance with the provisions of BSCP501.

SECTION K: CLASSIFICATION AND REGISTRATION OF METERING SYSTEMS AND BM UNITS

1.   GENERAL

Amend paragraph 1.1.1 to read as follows:

1.1.1   This Section K sets out the basis for:

(a)   identifying the Parties which are responsible (for the purposes of the Code) for Exports and Imports of electricity at Boundary Points;

(b)   the registration in the names of such Parties of the Metering Systems installed (in accordance with Section L) for the purposes of measuring separately such Exports and Imports;

(c)   such Parties to establish and register Primary BM Units comprising the Plant and Apparatus for whose Exports and Imports they are responsible, and to assign those Primary BM Units to Trading Units;

(d)   the approval of Line Loss Factors by the Panel; ~~and~~

(e)   Virtual Lead Parties to establish and register Secondary BM Units comprising the Plant and Apparatus with which such Virtual Lead Parties may provide Balancing Services~~.~~; and

(f)   Virtual Lead Parties to establish and register Asset Metering Systems, where so elected.

Amend paragraph 1.6.1 to read as follows:

1.6.1   The composition of Metering Systems shall be determined for the purposes of the Code in accordance with the following provisions:

(a)   subject to paragraphs (b), (c), (d) and (e), in relation to any Site and any Party, the commissioned Metering Equipment installed for the purposes of measuring the quantities of Exports and Imports at the Boundary Point(s) (collectively) associated with that Site for which that Party is responsible is either:

(i)   a single Metering System; or

(ii)   such greater number of Metering Systems as that Party applies (in accordance with paragraph 2) to register,

irrespective of whether all or part of the same Metering Equipment is also used to measure the quantities of Imports and/or Exports for which another Party is responsible at that Site, but subject to paragraph 2.5;

(b) in relation to any Site with associated Interconnector Boundary Point(s), the commissioned Metering Equipment installed for the purposes of measuring the quantities of Exports and Imports at the Interconnector Boundary Point(s) (collectively) associated with that Site is either:

(i) a single Metering System; or

(ii) such greater number of Metering Systems as the Party who is to be the Registrant pursuant to paragraph 5.3 applies (in accordance with paragraph 2) to register;

(c) in relation to any Site with associated Systems Connection Point(s) and any Party, the commissioned Metering Equipment installed for the purposes of measuring flows of electricity at the Systems Connection Point(s) (collectively) associated with that Site for which that Party is responsible is either:

(i) a single Metering System; or

(ii) such greater number of Metering Systems as that Party applies (in accordance with paragraph 2) to register,

irrespective of whether all or part of the same Metering Equipment is also used to measure the quantities of Imports and/or Exports for which another Party is responsible at that Site;

(d) where the Metering System is or is to be registered in SMRS, the commissioned Metering Equipment installed for the purposes of measuring the quantities of Exports and Imports for which a Party is responsible at a Metering Point shall be a single Metering System (but subject to paragraph 2.5);

(e) in relation to an Unmetered Supply, the Equivalent Meter or Profiled Unmetered Supply for the purposes of calculating the quantities of Imports and Exports for which a Party is responsible at a Metering Point shall be a single Metering System.

(f) In relation to Plant and/or Apparatus used by a Virtual Lead Party to provide Balancing Services, the commissioned Metering Equipment (not forming part of the Boundary Point Metering System) that is installed, maintained and operated or secured to be installed, maintained and operated by that Virtual Lead Party, to measure the flow of electricity to or from such Plant and/or Apparatus, for Settlement purposes.

Insert paragraph 1.7.20 to read as follows:

1.7.20 The Line Loss Factor Class applicable to an Asset Metering System shall be determined in accordance with the provisions of Section S-2.

2. REGISTRATION OF METERING SYSTEMS

Insert paragraphs 2.1.3A and 2.1.3B to read as follows:

2.1.3A   An Asset Metering System shall be registered in the AMRS.

2.1.3B   A Virtual Lead Party shall not be allocated any volumes for Balancing Services as measured by an Asset Metering System until the Asset Metring System registration in the AMRS is effective.

Insert paragraph 2.7 and 2.8 to read as follows:

2.7   Registration in AMRS

2.7.1   A Virtual Lead Party shall register an Asset Metering System in AMRS by submitting a registration application to the SVAA in accordance with and subject to the provisions of BSCP602.

2.7.2   The SVAA will validate and process the registration application in accordance with BSCP602.

2.7.3   The following requirements are conditions which must be met before the registration of an Asset Metering System in AMRS is effective and the ~~r~~Registrant is provided with an AMSID Number:~~:~~

    (a)   the Metering Equipment has been installed and commissioned in accordance with Section L;

    (b)   the Asset Meter has not already been registered within another Asset Metering System~~;~~

    (c)   the Asset Meter is installed in~~is CoP~~ compliance~~t~~ with the requirements of Code of Practice Eleven;

    (d)   all Associated MSID Pairs have been provided;

    (e~~e~~)   where the applicant is not the Equipment Owner, the consent of the Equipment Owner has been obtained; and

    (f~~d~~)   the registrations pursuant to paragraph 8 of the BM Unit(s) associated with the Asset Metering System are effective.

2.7.3A   For the avoidance of doubt there is no requirement to appoint Virtual Lead Party Agents and for these to be effective prior to registering the Asset Metering System. However, the Virtual Lead Party Agents must be appointed and be effective before the Asset Metering System is allocated to a BM Unit.

2.7.4   Registration of an Asset Metering System in AMRS will become effective on and from the later of:

    (a)   the date from which the applicant wishes the registration to be effective; and

    (b)   the day following that on which (in accordance with BSCP602) the SVAA has confirmation that all the requirements listed in paragraph 2.7.3 have been satisfied.

2.7.5   The Registrant of an Asset Metering System shall, in accordance with BSCP602, keep its registration up-to-date, by notifying the SVAA of any change in any of the details contained in the registration, promptly upon any such change occurring.

2.8   Withdrawal from AMRS

2.3.1   The Registrant of an Asset Metering System shall continue to be the Registrant until such time as:

(a)   another Virtual Lead Party applies (in accordance with paragraph 2.7) for registration of that Asset Metering System and becomes the Registrant (the "**New VLP Registrant**"); or

(b)   the Asset Metering System is de-registered in accordance with BSCP602; or

(c)   the Registrant ceases to be a Virtual Lead Party.

2.8.2   The New VLP Registrant shall comply with the provisions of paragraph 2.7 in respect of registration of the Asset Metering System and with the further provisions of BSCP602.

8.   CONFIGURATION AND REGISTRATION OF SECONDARY BM UNITS

Amend paragraph 8.1.2 to read as follows:

8.1.2   A Secondary BM Unit must satisfy the following conditions:

(a)   the Secondary BM Unit does not comprise of Plant and Apparatus whose Imports and Exports are measured by CVA Metering System(s);

(b)   the Secondary BM Unit may only comprise of Plant and Apparatus whose Imports and Exports are measured by half hourly SVA Metering System(s) and/or flows to and from which are measured by an Asset Metering System;

(c)   a Secondary BM Unit shall not have a half hourly SVA Metering System allocated to it which is allocated to another Secondary BM Unit at the same time;

(d)   a Secondary BM Unit may have an Asset Metering System allocated to it which is allocated to one other Secondary BM Unit at the same time, provided that the Asset Metering System is used solely for Asset Differencing in one of the Secondary BM Units it is allocated to; and

(d)   the Secondary BM Unit does not comprise of Plant and Apparatus associated with half hourly SVA Metering Systems and/or Asset Metering Systems that are in more than one GSP Group.

SECTION L: METERING

1.1   General

Amend paragraph 1.1.1 to read as follows:

1.1.1   This Section L sets out:

(a)   requirements for the installation, commissioning, operation and maintenance of Metering Equipment for the measurement of quantities of Active Energy and where relevant Reactive Energy (subject to Section K1.2.6); and

(b)   the functions of the TAA in connection with such Metering Equipment;.

in respect of CVA Metering Systems and SVA Metering Systems;. and

(c)   requirements for the installation, commissioning, operation and maintenance of Asset Metering Equipment for the measurement of quantities of Active Power or Active Energy; and

(d)   the functions of the TAA in connection with such Asset Metering Equipment;.

in respect of Asset Metering Systems;.

Amend paragraph 1.1.2 to read as follows:

1.1.2   For the purposes of the Code, subject to paragraph 1.1.3, the quantities of Active Energy and, where relevant, Reactive Energy Exported or Imported by any Party at a Boundary Point or flowing between Systems at a Systems Connection Point shall be measured and recorded through CVA Metering Equipment and/or SVA Metering Equipment installed, commissioned, operated and maintained and otherwise provided for as set out in this Section L.

Insert paragraph 1.1.2A to read as follows:

1.1.2A   For the purposes of the Code, the quantities of Asset Exports or Asset Imports, shall be measured and recorded through Asset Metering Equipment installed, commissioned, operated and maintained and otherwise provided for as set out in this Section L.

1.2   Meter Operator Agents

Amend paragraph 1.2 to read as follows:

1.2.1   Of the obligations (under this Section L) of the Registrant of a Metering System, those specified in Party Service Line 100 except in case of an Asset Metering System, and the relevant BSC Procedures are to be performed, subject to and in accordance with the provisions of Section J, by a Meter Operator Agent appointed by such Registrant in accordance with Section J.

1.2.2   In accordance with Section J, the Registrant of any Metering System shall appoint, and secure that at all times while he is Registrant there is appointed, a Meter Operator Agent in respect of such Metering System.

1.2.3   The principal functions of a Meter Operator Agent shall be to install, commission, test, maintain, rectify faults and provide a sealing service in respect of Metering Equipment (including if applicable associated Communications Equipment), in accordance with Party Service Line 100 except in the case of an Asset Metering Equipment, and the relevant BSC Procedures and Codes of Practice.

1.2.4   The Registrant of each Metering System shall comply with or (as appropriate) procure that the relevant Meter Operator Agent complies with the requirements of Party Service Line 100 except in the case of an Asset Metering System, and the relevant BSC Procedures.

2.   METERING EQUIPMENT – BASIC REQUIREMENTS

Amend paragraph 2.1.1 to read as follows:

2.1.1   The Registrant of each Metering System shall ensure that Metering Equipment, is:

(a)   installed and commissioned (if not already installed and commissioned), and

(b)   maintained and operated,

for the purposes described in paragraph 1.1.2 and 1.1.2A, as applicable, in accordance with and subject to the provisions of this Section L and in accordance with the relevant Code of Practice.

Amend paragraph 2.2.1 to read as follows:

2.2.1   The Metering Equipment to be installed:

(a)   in the case of a CVA Metering System, shall be Half Hourly Metering Equipment;

(b)   in the case of a SVA Metering System which is 100kW Metering System, shall be Half Hourly Metering Equipment;

(c)   in the case of a SVA Metering System associated with any Third Party Generating Plant, except in the case of a Small Scale Third Party Generating Plant, shall be Half Hourly Metering Equipment;

(d)   in the case of a SVA Metering System other than as provided in paragraphs (b), (c) and 2.2.2 shall be Half Hourly Metering Equipment or Non-Half Hourly Metering Equipment as the Registrant shall choose.;

(e)   in the case of an Asset Metering System, shall be Half Hourly Metering Equipment.;

Insert paragraph 2.3.2A to read as follows:

2.3.2A   In relation to any new Asset Metering System, the Registrant shall use all reasonable endeavours to ensure that Metering Equipment is installed and commissioned in accordance with paragraph 2.1.1(a) before the Asset Metering System is allocated to a BM Unit.

Amend paragraph 2.5.1 and 2.5.2 to read as follows:
2.5.1   The Registrant of each Metering System shall:

~~For CVA Metering Systems and SVA Metering Systems:~~

(a)   comply with the requirements of Party Service Line 100 and the relevant BSC Procedures (as applicable) as to the provision, to the CDCA or (as the case may be) the relevant Data Collector and others, of information relating to the Metering Equipment; and

(b)   give to the BSC Auditor all such information regarding the Metering Equipment as the BSC Auditor shall reasonably require for the purposes of carrying out the BSC Audit;.

in respect of~~For~~ CVA Metering Systems and SVA Metering Systems; ;and ~~For Asset Metering Systems:~~

(c)   comply with the requirements of the relevant BSC Procedures (as applicable) as to the provision, to the relevant Data Collector and others, of information relating to the Asset Metering Equipment; and

(d)   give to the BSC Auditor all such information regarding the Asset Metering Equipment as the BSC Auditor shall reasonably require for the purposes of carrying out the BSC Audit;

in respect of Asset Metering Systems.

2.5.2   The information to be provided under paragraphs 2.5.1(a), (b), (c) and (~~b~~d) includes information regarding the dates and time periods for installation of new Metering Equipment and the dates and periods when such Metering Equipment is out of service.

Amend paragraph 3.6.1 to read as follows:

3.6.1   The Registrant of each Metering System shall ensure

(a)   in the case of Half Hourly Metering Systems, that the Metering Equipment shall be commissioned (including, where any issues are identified during the commissioning of that Metering Equipment, notifying and consulting with the Distribution System Operator and/or the NETSO, as applicable) in accordance with the relevant issue of Code of Practice Four or Code of Practice Eleven, as applicable; or

(b)   in the case of Non Half Hourly Metering Systems, that the Metering Equipment shall be commissioned in accordance with the relevant issue of the Code of Practice (if any) relating to the commissioning of Non Half Hourly Metering Systems.

5.   METERING DATA

Amend paragraph 5.2.5 to read as follows:

5.2.5   For the purposes of paragraph 5.2.4, "relevant metering data" means:

(a)   in the case of SVA Metering Systems, the metering data specified in BSCP502, BSCP508 and BSCP520;

(b)   in the case of CVA Metering Systems, the metering data specified as being sent to the NETSO and/or the relevant Distribution System Operator in Table 5 of Section V;.

<blockquote>
(c) in the case of Asset Metering Systems, the metering data specified in BSCP502, BSCP508 and BSCP602.;
</blockquote>

7. TECHNICAL ASSURANCE OF METERING SYSTEMS

Amend paragraph 7.2.1 to read as follows:

7.2.1 Each SMRA, ~~and~~ the CDCA, and the SVAA shall submit to BSCCo details of the Half Hourly Metering Systems and the associated Registrants respectively registered in SMRS or CMRS or AMRS in accordance with BSCP27 or (as respects SVA Metering Systems) the relevant provisions of the MRA.

Amend paragraph 7.3.3 to read as follows:

7.3.3 Until the Performance Assurance Effective Date, the sample selected shall be consistent with the following principles:

  (a) the sample shall allow for:

    (i) inspection ("**targeted inspection**") of a number of Metering Systems in relation to which non-compliance is suspected, as notified by BSCCo to the TAA or on the basis of the information provided to the TAA by other persons; and/or

    (ii) inspection ("**re-inspection**") of a number of Metering Systems in relation to which non-compliance was previously identified and has subsequently been reported to have been rectified by the Registrant;

  (b) the sample shall be representative of the Metering Systems respectively registered in CMRS, AMRS and each SMRS;

  (c) the sample shall be representative of:

    (i) Meter Operator Agent;

    (ii) type of Metering Equipment;

    (iii) Code of Practice;

    (iv) Registrant;

    (v) GSP Group (for SVA Metering Systems and Asset Metering Systems);

    (vi) previous inspection(s);

  and shall not be biased towards any one Registrant, Meter Operator Agent, GSP Group or type of Metering Equipment.

Amend paragraph 7.5.3 to read as follows:

7.5.3 Following the rectification of a non-compliance (as determined in accordance with paragraph 7.5.1) which is materially non-compliant, BSCCo shall, where in its discretion it considers it appropriate to do so having regard to the nature of such rectification, require the Registrant to carry out the relevant Code of Practice Four tests in the case of SVA Metering Systems or CVA Metering

Systems and, or Code of Practice Eleven tests in the case of Asset Metering Systems, and validation testing in accordance with the relevant BSC

Amend paragraph 7.6.1A to read as follows:

7.6.1A   Where BSCCo becomes aware of a non-compliance that has impacted metered volumes then it shall, as soon as reasonably practicable thereafter, notify any CFD Settlement Services Provider and any CM Settlement Services Provider and include in that notice at least the following:

(a)   the MSID(s) (if known) relating to the applicable SVA Metering System or CVA Metering System; and

(b)   the nature of the non-compliance.; and

(c)   the AMSID(s) and the Asset Meter serial number relating to the applicable Asset Metering System.

SECTION S: SUPPLIER VOLUME ALLOCATION (V34.0)

1.   GENERAL

Amend paragraph 1.1.1 to read as follows:

1.1.1   This Section S sets out:

(a)   the rights and obligations of Suppliers, and the activities and functions for which Suppliers (and their Party Agents) are responsible, in relation to Supplier Volume Allocation;

(b)   the application of performance assurance measures with respect to Parties involved in Supplier Volume Allocation and associated liquidated damages;

(c)   the functions of Supplier Meter Registration Agents with respect to Supplier Volume Allocation;

(d)   the functions of the SVAA;

(e)   the functions of the Profile Administrator;

(f)   the basis upon which SVA Metering Systems may be allocated to Additional BM Units;

(g)   the basis upon which quantities of Active Energy associated with SVA Metering Systems are determined and allocated to Supplier BM Units for the purposes of Settlement;

(h)   the basis upon which Parties may submit MSID Pair Data and, where applicable, AMSID Pair Data to the SVAA to be recorded on the SVA Metering System Register; and

(i)   the basis upon which Parties shall provide MSID and, where applicable, AMSID Pair Delivered Volumes in relation to providing Balancing Services for the purposes of Settlement; and.

(j)   the basis upon which quantities of Active Energy associated with Asset Metering Systems are determined and allocated to Secondary BM Units for the purposes of Settlement;

Amend paragraphs 1.2.1 and 1.2.2 to read as follows:

1.2.1   This Section S, together with the Annexes to this Section S, apply in respect of:
(a)   SVA Metering Systems;
(b)   BM Units associated with such Metering Systems; and
(c)   Parties responsible for Imports and Exports which, for the purposes of
        Section K, are measured by such Metering Systems; and
(d)   Asset Metering Systems;
(e)   Secondary BM Units associated with Asset Metering Systems; and
(fd)   Virtual Lead Parties that have allocated half hourly SVA Metering
        Systems and, where applicable, Asset Metring Systems in one or more
        of their Secondary BM Units solely for purpose of providing Balancing
        Services from such Secondary BM Units,
and references to Half Hourly Metering Systems and Non Half Hourly Metering
Systems (and, where applicable, to Metering Systems) shall be construed
accordingly, unless the context otherwise requires.

1.2.2   For the purposes of the Code:
(a)   a "**Supplier Agent**" is any Party Agent of a Supplier required to be
        appointed in respect of SVA Metering Systems; and
(b)   references to the allocation of SVA Metering Systems to an Additional
        BM Unit (and cognate expressions) shall be interpreted to mean the
        allocation to an Additional BM Unit of Plant and/or Apparatus whose
        Imports or Exports of electricity are measured by SVA Metering
        Systems; and
(c)   references to the allocation of half hourly SVA Metering Systems to a
        Secondary BM Unit (and cognate expressions) shall be interpreted to
        mean the allocation to a Secondary BM Unit of Plant and/or Apparatus
        whose Imports or Exports of electricity are measured by half hourly SVA
        Metering Systems, solely for the purpose of providing Balancing
        Services therewith; and.
(d)   a "**Virtual Lead Party Agent**" is any Party Agent of a Virtual Lead Party
        required to be appointed in respect of Asset Metering Systems; and
(e)   references to the allocation of Asset Metering Systems to a Secondary BM
        Unit (and cognate expressions) shall be interpreted to mean the allocation
        to a Secondary BM Unit of Plant and/or Apparatus whose flows of
        Active Energy are measured by half hourly Asset Metering Systems,
        solely for the purpose of providing Balancing Services therewith.

Amend Section two title to read as follows:
**2.   RESPONSIBILITIES OF SUPPLIERS, VIRTUAL LEAD PARTIES,
            SUPPLIER AGENTS AND VIRTUAL LEAD PARTY AGENTS**

Insert new paragraph 2.1A to read as follows:
2.1A   Virtual Lead Party Agents
2.1.1A   Each Virtual Lead Party shall, in accordance with Section J, appoint and register
            Virtual Lead Party Agents in respect of each Asset Metering System for which such
            Virtual Lead Party is or is to be the Registrant.
2.1.2A   Each Virtual Lead Party shall be responsible, in accordance with Section J, for
            every act, breach, omission, neglect and failure (in relation to that Virtual Lead
            Party) of each Virtual Lead Party Agent appointed by it and shall comply, and
            procure compliance by each Virtual Party Agent, and the relevant BSC Procedures,

Codes of Practice (in respect of meter operation) and with the applicable provisions of the Code.

2.1.3A   The functions of each Virtual Lead Party Agent are described in paragraphs 2.2A to 2.5A.

2.1.4A   Without prejudice to the requirement to perform the obligations and carry out the activities described in Section J1.2.2 through the use of Virtual Lead Party Agents, each Virtual Lead Party shall be responsible (for the purposes of the Code) for the discharge of such obligations and the carrying out of such activities in respect of each Asset Metering System for which such Virtual Lead Party is the Registrant, and any failure by such Virtual Lead Party to appoint a Virtual Lead Party Agent in accordance with paragraph 2.1.1A shall not alter or affect such responsibility in any way.

Insert new paragraph 2.2.1A to read as follows:

2.2.1A   The principal functions of a Meter Operator Agent in respect of Asset Metering Systems for which it is responsible are:

(a)   to install, commission, test and maintain, and to rectify faults in respect of, Asset Metering Equipment (including, if applicable, associated Communications Equipment) in accordance with Section L; and

(b)   to maintain Meter Technical Details and to provide such Details, in accordance with Section L, to the relevant Half Hourly Data Collector or Virtual Lead Party to enable such Data Collector to read and process data in accordance with the Supplier Volume Allocation Rules;

in each case, in accordance with BSCP602 and all relevant Code Subsidiary Documents.

(c)   to maintain such Meter Technical Details as are required in accordance with BSCP514 for Meter Operation and to provide such Details, in accordance with Section L, to the relevant Virtual Lead Party,

in each case, in accordance with, BSCP514 for Meter Operation, and BSCP502 (in respect of Half Hourly Metering Systems)

Insert new paragraph 2.2.2B to read as follows:

2.2.2B   Each Virtual Lead Party shall, as soon as possible and in any event promptly after the registration of an Asset Metering System becomes effective or following a change in the Meter Operator Agent appointed in relation to a particular Asset Metering System, send to the relevant Meter Operator Agent for each Asset Metering System for which it is the registrant (unless otherwise agreed with the relevant Meter Operator Agent):

(a)   the related Asset Metering System Number and the Identifiers for the Data Collector; and

(b)   confirmation of the time and date with effect from which that Meter Operator Agent's appointment in relation to such Asset Metering System is to take effect.

Insert new paragraph 2.2.3A to read as follows:

2.2.3A   Each Virtual Lead Party shall meet or procure that the relevant Meter Operator Agent meets the service levels specified in BSCP514 in relation to the Asset Metering Systems in respect of which it is registered.

Amend paragraph 2.3.1 to read as follows:

2.3.1   The principal functions of a Half Hourly Data Collector are, in accordance with the provisions of this Section S and the Supplier Volume Allocation Rules, with BSCP502 and BSCP520 and with Party Service Line 100 except in the case of Asset Metering Systems:

(a)   to collect metered data;

(b)   to validate data and provide reports;

(c)   to enter validated metered data into the relevant data collection system;

(d)   to maintain relevant standing data;

(e)   to undertake Meter Advance Reconciliation to reconcile half hourly energy values with meter advances;

(f)   to sum register level data to produce SVA Metering System level data;

(g)   to provide SVA Metering System level data to the relevant Half Hourly Data Aggregator;

(h)   to provide validated metered data and SVA Metering System reports to the relevant Supplier and the relevant Distribution System Operator;

(i)   to sum register level data to produce Asset Metering System level data (where applicable); and

(j)   to provide Asset Metering System level data to SVAA

Insert new paragraph 2.3.3B to read as follows:

2.3.3B   Each Virtual Lead Party shall send to the Data Collector for each Asset Metering System for which it is the Registrant:

(a)   promptly after its registration in respect of a particular Asset Metering System becomes effective or (as the case may be) following a change in Data Collector appointed in relation to a particular Asset Metering System (unless otherwise agreed with the relevant Data Collector) details of:

(i)   the related Asset Metering System Number and the Identifiers for the Meter Operator Agent; and

(ii)   the start of the period for which the Data Collector is appointed;

Amend paragraph 2.7 title to read as follows:

2.7   Additional Supplier and Virtual Lead Party Obligations

Amend paragraph 2.7.1 to read as follows:

2.7.1   Each Supplier and Virtual Lead Party shall use all reasonable endeavours to co-operate with and support the Panel, other Trading Parties, the SVAA and other BSC Agents in the integration testing of any relevant system, software or hardware required for the operation of Supplier Volume Allocation.

Insert new paragraph 2.7A.2 to read as follows:

2.7A.2   Each Virtual Lead Party shall:

(a)   use all reasonable endeavours to assist BSCCo's and the SVAA's problem management service in the resolution of any problems arising from

Supplier Volume Allocation in relation to which that Supplier can reasonably be expected to provide assistance;

(b)   provide all information reasonably requested by the SVAA within a reasonable timescale agreed with the SVAA; and

(c)   use all reasonable endeavours to procure that each Virtual Lead Party Agent from time to time appointed by it in respect of an Asset Metering System uses all reasonable endeavours to assist the SVAA's problem management service in the resolution of any problems arising from their contracts relating to Supplier Volume Allocation and provides all information reasonably requested by the SVAA within a reasonable timescale agreed with the SVAA, in any such case where that Virtual Lead Party can reasonably be expected to provide assistance.

Amend paragraph 3.1 title to read as follows:

3.1   Supplier Performance Assurance

Insert new paragraph 3.1A to read as follows:

3.1A   Virtual Lead Party Performance Assurance

3.1A.1   Each Virtual Lead Party shall provide, or procure the provision of such reports to the Performance Assurance Board as may from time to time be reasonably required in accordance with the relevant BSC Procedures in order to enable the Performance Assurance Board to review compliance by that Virtual Lead Party with the requirements of paragraph 2 and compliance by each Virtual Lead Party Agent for which that Virtual Lead Party is responsible in accordance with the relevant BSC Procedures.

3.1A.2   Each Virtual Lead Party shall provide the Panel and the Performance Assurance Board with access to all of its records, data and other information (and those of its Virtual Lead Party Agents) as may reasonably be required by the Panel or (as the case may be) the Performance Assurance Board to carry out its functions in accordance with the Code and relevant Code Subsidiary Documents, or procure that such access is provided.

4.   FUNCTIONS OF BSC AGENTS IN RELATION TO SUPPLIER VOLUME ALLOCATION

Amend paragraph 4.1.1 (h) to read as follows:

(h)   to establish and maintain a register, hereby known as the SVA Metering System Register, of each half hourly SVA Metering System and Asset Metering System identified in MSID Pair Data and AMSID Pair Data that has been provided to the SVAA; and

7.   SUPPLIER VOLUME ALLOCATION RULES

Amend paragraph 7.1.2 to read as follows:

7.1.2   Quantities of Active Energy associated with SVA Metering Systems and Asset Metering Systems shall be determined and allocated to Supplier BM Units for the purposes of Settlement in accordance with Annex S-2.

Amend paragraph 7.2.1 to read as follows:

7.2.1   Suppliers and Supplier Agents, and Virtual Lead Parties and Virtual Lead Party Agents shall provide data to the SVAA in accordance with the Supplier Volume Allocation Rules and BSCP508.

Amend paragraph 7.2.2 to read as follows:

7.2.2   The Supplier Volume Allocation Rules consist of the following principal activities:
   (a)   the provision of SVA Metering System registration data from the relevant SMRA to Suppliers, Supplier Agents, Distribution System Operators and relevant BSC Agents;
   (b)   the provision of standing data to the SVAA from Suppliers, Supplier Agents, Distribution System Operators, the Profile Administrator and other BSC Agents;
   (c)   the provision of periodic data to the SVAA from Non Half Hourly Data Aggregators, Half Hourly Data Aggregators, the Temperature Provider and the Teleswitch Agent;
   (d)   the derivation and distribution of the Daily Profile Coefficients by the SVAA;
   (e)   the data collection and data aggregation calculations performed by Data Collectors and Data Aggregators on behalf of Suppliers and Virtual Lead Parties;
   (f)   the determination of the pre-correction consumption and production per Settlement Period per Supplier BM Unit and Secondary BM Unit by the SVAA;
   (g)   the GSP Group Correction Factor calculation performed by the SVAA which reconciles SVA metered volumes with the GSP Group Take;
   (h)   determination of the half hourly energy volumes allocated to each Supplier BM Unit and Secondary BM Unit, and the provision of such data to the SAA; and
(i)   the determination of Supplier BM Unit Non BM ABSVD for each Supplier BM Unit, and the provision of such data to the SAA.

Amend paragraph 7.2.4 to read as follows:

7.2.4   Suppliers, Virtual Lead Parties, Supplier Agents and Virtual Lead Party Agents shall comply with the Supplier Volume Allocation Rules and all relevant Code Subsidiary Documents in order that data is provided within the timescales defined in the Settlement Calendar or otherwise as may be required in order to effect a Settlement Run.

10.   SVA METERING SYSTEM REGISTER

Insert new paragraph 10.1.2A to read as follows:

10.1.2A   In relation to a GSP Group where a Virtual Lead Party has registered one or more Secondary BM Units with the CRA in accordance with Section K and intends to offer Balancing Services, the Lead Party shall submit BM Unit MSID Pair Data for such BM Units subject to and in accordance with the provisions of this paragraph 10.1 and paragraph 10.2 for all MSID Pairs which are Associated MSID Pairs of an Asset for which the Virtual Lead Party intends to submit AMSID Pair Data in accordance with section 10.1A.

Amend paragraph 10.1.3 to read as follows:

10.1.3   For the purposes of the Code, "**BM Unit MSID Pair Data**" shall contain the following**:**

(a)   in relation to an MSID Pair, the GSP Group in which the Import Metering System and (where applicable) Export Metering System are located;

(b)   the MSID of the Import Metering System;

(c)   the MSID of the associated Export Metering System (where applicable);

(d)   the date from when, subject to paragraph 10.1.4, the Lead Party wishes such Half Hourly Metering System(s) to be allocated to such BM Unit for the purposes of providing Balancing Services;

(e)   ~~the date to when, subject to paragraph 10.1.4, the Lead Party wishes such Half Hourly Metering System(s) to be allocated to such BM Unit for the purposes of providing Balancing Services~~;

(f)   a Customer Consent Flag for the MSID of the Import Metering System setting out:

(i)   the date from when the Customer Consent Flag is to be effective; and

(ii)   the date to when the Customer Consent Flag is to be effective;

(g)   a Customer Consent Flag for the MSID of the Export Metering System setting out:

(i)   the date from when the Customer Consent Flag is to be effective; and

(ii)   the date to when the Customer Consent Flag is to be effective;

(h)   the identification number of the relevant BM Unit.

(i)   an Indicator detailing whether the MSID Pair is:

(i)   to be allocated to the BM Unit, and is not an Associated MSID Pair for any AMSID Pair;

(ii)   not to be allocated to the BM Unit, and is an Associated MSID Pair of an AMSID Pair which is to be allocated to the BM Unit in accordance with paragraph 10.1A; or

(iii)   to be allocated to the BM Unit, and is an Associated MSID Pair for an AMSID Pair which is to be used in Asset Differencing in accordance with paragraph 10.1A.

Insert new paragraph 10.1A to read as follows:

10.1A   Provision of AMSID Pair Data

10.1A.1   In relation to a GSP Group where a Virtual Lead Party has registered one or more Secondary BM Units with the CRA in accordance with Section K the Lead Party shall allocate AMSID Pairs in that GSP Group to such BM Unit(s) by submitting

Secondary BM Unit AMSID Pair Data for such BM Units subject to and in accordance with the provisions of this paragraph 10.1A and paragraph 10.2A.

10.1A.2   For the purposes of the Code, "**Secondary BM Unit AMSID Pair Data**" shall contain the following**:**
   (a)   in relation to an AMSID Pair, the GSP Group in which the Metering System(**s**) comprising the AMSID Pair are located;
   (b)   the AMSID(**s**) of the Metering System(**s**) comprising the AMSID Pair;
   (c)   the date from when, subject to paragraph 10.1A.3 and 10.2A.3 the Lead Party wishes such Half Hourly Metering System(s) to be allocated to such BM Unit
   (d)   the identification number of the relevant Secondary BM Unit.
   (e)   an Indicator identifying whether the flows of electricity recorded by the

AMSID Pair are to be:
   (i)   allocated to the BM Unit; or
   (ii)   subtracted from the flows of electricity recorded by the Associated MSID Pair(s) ("Asset Differencing")

10.1A.3 For the avoidance of doubt:
   (i)   an Asset Metering System within an AMSID Pair may not be allocated to more than one AMSID Pair;
   (ii)   ~~(where applicable)~~except as provided in this Section S, an AMSID Pair may not be allocated to more than one Secondary BM Unit for any given time; and
   (iii)   an~~,~~ AMSID Pair may not be used for the purposes of Asset Differencing in relation to more than one Secondary BM Unit.

10.1A.4   AMSID Pair Data shall be recorded and stored in the SVA Metering System Register for the purposes of Settlement from the day specified by the Virtual Lead Party in accordance with paragraph 10.2.1A(e).

Amend paragraph 10.2 title to read as follows:

10.2   Process for allocating MSID Pairs to a BM Unit

Insert new paragraph 10.2A to read as follows:

10.2A   Process for allocating AMSID Pairs to a Secondary BM Unit
10.2A.1   The SVAA shall in accordance with BSCP602:
   (a)   validate the AMSID Pair Data submitted to it by a Party under paragraph 10.1A as to compliance with the requirements of this paragraph 10.2A;
   (b)   on the basis of the checks referred to in paragraph (a), confirm or reject the relevant AMSID Pair Data by notice to the Party;
   (c)   where it confirms the relevant AMSID Pair Data in accordance with paragraph (b), the SVAA shall record the relevant data in the SVA Metering System Register;
   (d)   where the Half Hourly Metering System is to be allocated to a Secondary BM Unit, is already allocated to an Secondary BM Unit on the SVA

Metering System Register and when allocated the Party has not selected the Indicator "Differencing", the SVAA shall, subject to validation referred to in paragraph (a), confirm the most recent allocation and notify the previous SVA Metering System Register registrant of:

(i)   the Asset Metering System Number of each Half Hourly Metering System that is no longer allocated to a Secondary BM Unit under this paragraph 10;

(ii)   the GSP Group in which such Metering System is located;

(iii)   the date from when, subject to paragraph 10.1.2, such Asset Metering System(s) will no longer be allocated to their Secondary BM Unit for the purposes of providing Balancing Services in Settlement.

10.2A.2   An Asset Metering System which is allocated to a Secondary BM Unit may be removed from that BM Unit, or transferred to another Secondary BM Unit in that GSP Group, in accordance with BSCP602 by notifying the SVAA and such transfer shall take effect from the time specified in accordance with that BSCP.

Amend paragraph 10.3.2 to read as follows:

10.3.2   A Half Hourly Data Collector that is Qualified in accordance with Section J shall be deemed as Qualified to provide energy values per Asset Metering System to the SVAA in accordance with paragraph 3.5.3A of Annex S-2 and this paragraph 10.

Amend paragraph 11 to read as follows:

11   MSID PAIR DELIVERED VOLUMES AND AMSID DELIVERED VOLUMES

11.1   Provision of MSID Pair Delivered Volume and AMSID Pair Delivered Volume

11.1.1   Where the NETSO or a Virtual Lead Party has provided MSID Pair Data and AMSID Pair Data in a GSP Group pursuant to paragraph 10.2 and 10.2A, the NETSO or Virtual Lead Party shall in respect of each relevant MSID Pair and each AMSID Pair and each Settlement Period:

(a)   provide the MSID Pair Delivered Volume and AMSID Pair Delivered Volume to the SVAA in accordance with BSCP602; and

(b)   ensure that such MSID Pair Delivered Volumes and AMSID Pair Delivered Volumes are determined in good faith and in accordance with Good Industry Practice to:

(i)   be accurate and complete; and

(ii)   (without prejudice to the generality of the foregoing) accurately reflect the change in the Imports and Exports resulting from the delivery of Balancing Services, as such change in the Imports and Exports would be measured by the Metering Systems allocated to that MSID Pair.

11.1.2   Where the SVAA receives MSID Pair Delivered Volume and AMSID Pair Delivered Volume, the SVAA shall in accordance with BSCP602:

(a)   validate that the SVA Metering Systems for which data has been provided are Half Hourly Metering Systems;

(b)   validate, where relevant, that the Virtual Lead Party is the Lead Party of Secondary BM Units to which the SVA Metering Systems and Asset Metering Systems are allocated;

(c)   validate, where relevant, whether the MSID(s) relate to SVA Metering Systems specified by the NETSO by reference to the SVA Metering System Register;

(d)   on the basis of the checks referred to in paragraphs (a), (b) and (c), confirm or reject the relevant delivered volumes by notice to the relevant Party; and

(e)   where it confirms the relevant delivered volumes in accordance with paragraph (d), record the data in its systems to take effect in the next Volume Allocation Run.

11.1.3   In accordance with BSCP602, a Party may submit revised MSID Pair Delivered Volumes and AMSID Pair Delivered Volumes to the SVAA for SVA Metering Systems and Asset Metering Systems and Settlement Periods for which that Party was provided MSID Pair Data and AMSID Pair Data. The SVAA shall validate and process such MSID Pair Delivered Volumes and AMSID Pair Delivered Volumes in accordance with paragraph 11.

ANNEX S-2: SUPPLIER VOLUME ALLOCATION RULES (V27.0)

Amend paragraph 1.1.2 to read as follows:

1.1.2   This Annex S-2 sets out the basis upon which quantities of Active Energy associated with SVA Metering Systems and Asset Metering Systems are determined and allocated to Supplier BM Units and Suppliers and Secondary BM Units for the purposes of Settlement, including rules in respect of:

(a)   Supplier Meter Registration Services;

(b)   Half Hourly Data Collection and Aggregation;

(c)   Non Half Hourly Data Collection and Aggregation;

(d)   Supplier Volume Allocation Standing Data;

(e)   Supplier Volume Allocation Periodic Data;

(f)   Reconciliation Allocation Data Input;

(g)   Daily Profile Coefficients;

(h)   Half Hourly Metering System Consumption;

(i)   Non Half Hourly Metering System Consumption;

(j)   GSP Group Correction;

(k)   Adjustment of Supplier Deemed Takes;

(l)   Determination of BM Unit Allocated Demand Volumes and Secondary BM Unit Demand Volumes;

(m)   Reallocation Volumes;

(n)   Volume Allocation Runs; and

(o)   Secondary BM Unit Supplier Delivered Volumes.

3.   HALF HOURLY DATA COLLECTION AND AGGREGATION

Insert new paragraph 3.1A to read as follows:

3.1A   Virtual Lead Party's responsibility for the collection of half hourly data

3.1.1A   Subject to paragraph 3.1.2, each Virtual Lead Party shall ensure that consumption figures for each Settlement Period of each Settlement Day are made available to the SVAA pursuant to this paragraph 3, in respect of all Asset Metering Systems that such Virtual Lead Party is the Registrant of.

Amend paragraph 3.3.1 to read as follows:

3.3.1   Paragraph 3.3.2 and paragraph 3.3.2A shall apply in respect of each Metering System subject to half hourly metering and each Unmetered Supply subject to Equivalent Metering (other than a Metering System through which a SVA Generator provides Export Active Energy or a SVA Customer consumes Import Active Energy and such Export Active Energy or Import Active Energy (as the case may be) is allocated between a Primary Supplier and the associated Secondary Supplier(s), in which case the provisions of paragraph 3.3.4 shall apply).

Insert new paragraph 3.3.2A to read as follows:

3.3.2A   Each Virtual Lead Party shall ensure that each of its Half Hourly Data Collectors shall in respect of such Virtual Lead Party's Metering Systems for which such Half Hourly Data Collector is responsible:

(a)   collect the Metered Data in accordance with BSCP502

(b)   check the Metered Data and provide reports in accordance with BSCP502

(c)   enter the Asset Meter Register Consumption ($AMRC_{KJj}$) into the relevant data collection system;

(d)   update standing data entries and update the Meter Technical Details (in accordance with BSCP502) to take account of new or revised information as provided by the relevant Meter Operator Agent;

(e)   carry out meter advance reading and reconcile the actual meter advance with synthesised meter advance derived from the Asset Meter Register Consumption input to the relevant data collection system;

(f)   process the Asset Meter Register Consumption and provide the resulting Asset Metering System Metered Consumption ($AMMC_{ZaKj}$) to SVAA.

(g)   provide the Asset Metering System Metered Consumption report to the relevant Virtual Lead Party.

Amend paragraph 3.5 title to read as follows:
3.5   Determination of Supplier's Metered Consumption and/or Asset Meter Register Consumption

Insert new paragraph 3.5.1A to read as follows:

3.5.1A   In the case of an Asset Metering System, the Virtual Lead Party shall ensure that the relevant Half Hourly Data Collector shall for each Settlement Period "j", ensure that the Asset Meter Register Consumption ($AMRC_{KJj}$), for each Settlement Register "J", within such Asset Metering System "K", shall be collected by the relevant Half Hourly Data Collector.

Insert new paragraph 3.5.3A to read as follows:

3.5.3A   Each Virtual Lead Party shall ensure that the Asset Metering System Metered Consumption ($AMMC_{Kj}$) for each Asset Metering System "K" shall be determined by the relevant Half Hourly Data Collector according to the following formula and shall be provided to SVAA:

$$AMMC_{Kj} = \Sigma^{K}_{J} \; AMRC_{KJj}.$$

Insert new paragraph 3.9.2A to read as follows:

3.9.2A   SVAA shall determine the Allocated Asset Metering System Metered Consumption ($AAVMMC_{HNLKj}$) by assigning a, GSP Group "H", Consumption Component Class "N" and Line Loss Factor Class "L" to the Asset Metering System Metered Consumption provided, pursuant to paragraph 3.5.3A by the Half Hourly Data Collector most recently appointed by such VLP to be responsible for the relevant Asset Metering System "K". The Consumption Component Class "N" and Line Loss Factor Class "L" will be assigned by SVAA according to BSCP602.

Amend paragraph 3.10 to read as follows:

3.10   Determination of Metering System Delivered Volumes

3.10.1   The provisions of paragraphs 3.10.2 and 3.10.3 shall apply where the relevant Party is to provide MSID Pair Delivered Volume ($MPDV_j$) per MSID Pair and/or AMSID Pair Delivered Volume ($AMPDV_j$) per AMSID Pair in accordance with Section S11.

3.10.1A   For each value of $AMPDV_j$ provided by a Virtual Lead Party in accordance with Section S11, SVAA shall determine a value of MSID Pair Delivered Volume ($MPDV_j$) adjusted to take account of losses between the AMSID Pair and Associated MSID Pairs.

$$MPDV_j = AMPDV_j * (LLF_{AMSID} / LLF_{MSID})$$

Where:

$LLF_{AMSID}*$ is Line Loss Factor for a given Settlement Period in a given Settlement Day based on LLFC allocated to an AMSID Pair by SVAA.
$LLF_{MSID}*$ is a Line Loss Factor for a given Settlement Period in a given Settlement Day based on LLFC allocated to a MSID Pair.

3.10.1B   For each Settlement Period and MSID Pair, SVAA shall determine the Total MSID Pair Delivered Volume ($TMPDV_j$) in accordance with the formula

$$TMPDV_j = \sum MPDV_j$$

where $\sum$ is the summation of MSID Pair Delivered Volumes ($MPDV_j$) calculated by SVAA in accordance with paragraph 3.10.1A and/or provided by Virtual Lead Parties in accordance with Section S11 for that Settlement Period and MSID Pair.

3.10.1C   For values of MSID Pair Delivered Volume ($MPDV_j$) provided by the NETSO in accordance with Section S11, the Total MSID Pair Delivered Volume ($TMPDV_j$) shall be determined by SVAA as:

TMPDV$_j$ = MPDV$_j$

3.10.2 For each Settlement Period and for each relevant Metering System per Settlement Run, the SVAA shall determine the Total Metering System Delivered Volume (TQVMD$_{Kj}$) from the Total MSID Pair Delivered Volume (TMPDV$_j$) relating to such MSID Pair and the Metering System Metered Consumption (VMMC$_{HZaNLKji}$) for the relevant Metering Systems.

3.10.3 If TMPDV$_j$ is greater than or equal to zero the following formulae shall apply:

(a) for the Export MSID in the MSID Pair:

TQVMD$_{Kj}$ ~~QVMD$_{Kj}$~~= MIN(TMPDV$_j$, VMMC$_{HZaNLKji}$); and

(b) for the Import MSID in the MSID Pair:

TQVMD$_{Kj}$ = TMPDV$_j$ - QVMD$_{Export}$

where QVMD$_{Export}$ is the value of TQVMD$_{Kj}$ allocated to the Export MSID in accordance with paragraph (a), or zero if there is no Export MSID in the MSID Pair.

3.10.4 If TMPDV$_j$ is less than zero the following formulae shall apply:

(a) for the Import MSID in the MSID Pair, subject to (c):

TQVMD$_{Kj}$ = – MIN(–TMPDV$_j$, VMMC$_{HZaNLKji}$);

(b) for the Export MSID in the MSID Pair:

TQVMD$_{Kj}$ = MPDV$_j$ - QVMD$_{Import}$

where QVMD$_{Import}$ is the value of TQVMD$_{Kj}$ allocated to the Import MSID in accordance with paragraph (a); and

(c) if TMPDV < –VMMC$_{HZaNLKji}$ and there is no Export MSID in the MSID Pair then for the Import MSID:

TQVMD$_{Kj}$ = 0

and the SVAA shall inform the relevant Party and BSCCo that the MSID Pair Delivered Volume could not be allocated to MSIDs.

3.10.4A MSID Pairs may have a number of AMSID Pairs associated with it, providing a Balancing Service for the same Settlement Period. Therefore different Virtual Lead Parties may provide Delivered Volumes (AMPDVj) relating to the same MSID Pair, for the same Settlement Period. When this occurs, Total MSID Pair Delivered Volume (TMPDV$_j$) will equal the sum of all of TMPDV$_j$'s calculated in accordance with 3.10.1B. Total Delivered Volumes (TQVMD$_{kj}$) will then be allocated to each Virtual Lead Party based on their individual contribution of TMPDV to the net TMPDVj for the MSID Pair.

For example, Virtual Lead Party A, provides Total MSID Delivered Volumes (TMPDVj) of 6, and Virtual Lead Party B, provides Total MSID Delivered Volumes (TMPDVj) of 4. (TMPDVj) for the MSID Pair will equal 10.

(QVMD$_{kj}$) for Virtual Lead Party A will equal (TQVMD$_{kj}$) x 0.6

(QVMD$_{kj}$) for Virtual Lead Party B will equal (TQVMD$_{kj}$) x 0.4

3.10.5   For the purposes of paragraph 3.10.2 and any subsequent processing of Metering System Delivered Volumes and data derived from such processing pursuant to the Supplier Volume Allocation Rules the term "**Metering System**" shall be construed to include Primary Metering System Numbers and Secondary Metering System Numbers as if such Primary Metering System Numbers and Secondary Metering System Numbers represented physical metering systems.

7.   HALF HOURLY METERING SYSTEM CONSUMPTION

Insert new paragraph 7.1.1B

7.1.1BA   For each Allocated Asset Metering System Metered Consumption ($AAVMMC_{HNLKj}$) value provided pursuant to paragraph 3.9.2A the SVAA shall determine the Asset Metering System Metered Consumption ($VMMC_{HNLKj}$) within Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) for a particular GSP Group "H", Metering System "K" according to the following formula:

$$VMMC_{HNLKj} = AVMMC_{HNLKj} / 1000$$

Amend paragraph 7.1.1C to read as follows:

7.1.1C   For each Metering System Metered Consumption ($VMMC_{HZaNLKji}$) value associated with a Secondary BM Unit in the SVA Metering System Register, determined pursuant to paragraph 7.1.1B, and each Asset Metering System Metered Consumption ($VMMC_{HZNLK}$j) value determined pursuant to paragraph 7.1.1.? (or whatever we number it) the SVAA shall determine the Secondary BM Unit Metered Consumption from Supplier Metering Systems ($VBMMC_{i2aNLKji}$) and Secondary BM Unit Metered Consumption from Asset Metering Systems ($VBMMC_{i2NLKj}$) by assigning the Metering System Metered Consumption values to the relevant Secondary BM Unit "i2" as allocated by the Virtual Lead Party and recorded in the SVA Metering System Register in accordance with Sections S10.2 and BSCP602, and to a Consumption Component Class N' determined as follows:

(a)   if the Metering System or Asset Metering System K has been allocated to the Secondary BM Unit for purposes of Asset Differencing in accordance with paragraph 10.1.3(i)(iii) or 10.1A.2(e)(i) of Section S:

(i)   if the Net Differencing Volume $VNDK_j$ is greater than or equal to zero, Consumption Component Class N' shall be the Import Consumption Component Class associated with Consumption Component Class N; and

(ii)   if the Net Differencing Volume $VNDK_j$ is less than zero, Consumption Component Class N' shall be the Export Consumption Component Class associated with Consumption Component Class N;

where SVAA shall determine the Net Differencing Volume ($VNDK_j$) as:

$$VNDK_j = \sum_N \sum\nolimits^{Associated}_K (VMMC_{HZaNLKji} - VMMC_{HZNLKj})$$

and $\sum^{Associated}_K$ means the summation over all Metering Systems and Asset Metering Systems that are related for purposes of differencing to Metering System or Asset Metering System K (in accordance with paragraph 7.1.1?)

(b)   otherwise, Consumption Component Class N' shall be the same as Consumption Component Class N.

Insert new paragraph 7.1.1CA to read as follows:

7.1.1CA   For purposes of paragraph 7.1.1C, the Metering Systems and Asset Metering Systems related for purposes of differencing to a Metering System or Asset Metering System K shall be determined as follows:

.   (a)   In relation to an Asset Metering System K in an AMSID Pair:

.   (i)   The Metering Systems in any Associated MSID Pairs allocated to a Secondary BM Unit for purposes of Asset Differencing; and

.   (ii)   Any Asset Metering Systems that are related for purposes of differencing to the Metering Systems in paragraph (a)(i);

.   (b)   In relation to a Metering System K in an MSID Pair:

.   (i)   The Asset Metering Systems in any AMSID Pairs allocated to a Secondary BM Unit for purposes of Asset Differencing for which the MSID Pair is an Associated MSID Pair; and

.   (ii)   Any Metering Systems that are related for purposes of differencing to the Asset Metering Systems in paragraph (b)(i).

Amend paragraph 7.1.1D to read as follows:

7.1.1D   For each Metering System Delivered Volume ($QVMD_{Kj}$) value associated with a Secondary BM Unit in the SVA Metering System Register, determined pursuant to paragraph 3.10, the SVAA shall determine the Secondary BM Unit Delivered Volume ($QVBMD_{i2NLKji}$) by assigning the Metering System Delivered Volume value to the relevant Secondary BM Unit "i2" as allocated by the Virtual Lead Party in accordance with Section S10.2, S10.2A, and BSCP602, Supplier BM Unit "i", Line Loss Factor Class "L" and Consumption Component Class "N".

Amend paragraph 7.1.4 to read as follows:

7.1.4   The SVAA shall determine the Secondary Half Hourly Consumption (Non Losses) (V_{i2Nj}) within Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) for each Secondary BM Unit "i2" according to the following formula:

$$V_{i2Nj} = \Sigma_{aK} \ VBMMC_{i2aNLKji} + \Sigma_{aK}{}^{NonDiff} \ VBMMC_{i2NLKj} - \Sigma_{aK}{}^{Diff} \ VBMMC_{i2NLKj}$$

where Secondary BM Unit Metered Consumption ($VBMMC_{i2aNLKji}$) is derived from Supplier Metering Systems allocated to the Secondary BM Unit including those selected for Asset Differencing in accordance with Section S10.2A and is determined pursuant to paragraph 7.1.1C;

Insert new paragraph 7.1.4A to read as follows:

7.1.4A   Secondary BM Unit Metered Consumption ($VBMMC_{i2NLKj}$) is derived from Asset Metering Systems and is determined pursuant to paragraph 7.1.1C. Metered Consumption from those

Asset Metering Systems which are selected for Asset Differencing (^{Diff}) in accordance with Section S10.2A are deducted from $VBMMC_{i2NLKj}$.

Amend paragraph 7.2.4 to read as follows:

7.2.4   The SVAA shall determine the Secondary Half Hourly Consumption (Losses) ($VLOSS_{i2Nj}$) within Consumption Component Class "N" (which Consumption Component Class shall be a Consumption Component Class for line losses) for each Secondary BM Unit "i2" according to the following formula:

$$VLOSS_{i2Nj} = \Sigma^{(vv)}_{LK} ((LLF_{Lj} - 1) * VBMMC_{i2aNLKji}) + \Sigma^{(vv)}_{LK} ((LLF_{Lj} - 1) * VBMMC_{i2NLKj}^{NonDiff}) - \Sigma^{(vv)}_{LK} ((LLF_{Lj} - 1) * VBMMC_{i2NLKj}^{Diff})$$

Where;

Secondary BM Unit Metered Consumption ($VBMMC_{i2aNLKji}$) is derived from Supplier Metering Systems allocated to the Secondary BM Unit including those selected for Asset Differencing and is determined pursuant to paragraph 7.1.1C;

Secondary BM Unit Metered Consumption ($VBMMC_{i2NLKj}$) is derived from Asset Metering Systems and is determined pursuant to paragraph 7.1.1C, and is then further split into those Asset Metering Systems which are selected for Asset Differencing (^{Diff}) when allocated to the Secondary BM Unit, and those Asset Metering Systems which are not selected for Asset Differencing ($^{Non\ Diff}$)

, and "(vv)" is the Consumption Component Class (not for line losses) associated with the Consumption Component Class "N" for which the value of $VLOSS_{i2Nj}$ is to be determined.

The SVAA shall provide the relevant Virtual Lead Party, as recorded in the SVA Metering System Register, with the Secondary Half Hourly Consumption (Losses) ($VLOSS_{i2Nj}$) for each Metering System "K" in the relevant Secondary BM Unit "i2" for each Settlement Period "j" for each Volume Allocation Run, where received.

9.   GSP GROUP CORRECTION

Amend paragraph 9.6.1B to read as follows:

9.6.1B   In respect of each Secondary BM Unit "i2", the SVAA shall determine the Secondary BM Unit Demand Volume ($VBMUDV_{i2j}$) for each Settlement Period "j" according the following formula:

$$VBMUDV_{i2j} = \Sigma_N VCORC_{i2Nj}$$

where Σ_N is the summation over all Consumption Component Classes for SVA Metering Systems and Asset Metering Systems in Secondary BM Units.9.6.1C   In respect of each Secondary BM Unit "i2" and Supplier BM Unit "i", the SVAA shall determine the Secondary BM Unit Supplier Delivered Volume ($VBMUSDV_{i2ji}$) for each Settlement Period "j" according the following formula:

$$VBMUSDV_{i2ji} = \Sigma_{i \in K} \Sigma_N VCORDC_{i2NKji}$$

where Σ_N is the summation over all Consumption Component Classes in a given Metering System and $\Sigma_{i \in K}$ is the summation over all SVA Metering Systems and Asset Metering Systems allocated to Supplier BM Unit "i".

ANNEX X-1: GENERAL GLOSSARY (v91.0)
Insert the following definitions:

"**AMSID**":	has the same meaning as the Asset Metering System Number;
"**AMSID Pair**":	means one AMSID measuring the flow of electricity to the Asset and, where applicable, one AMSID measuring the flow of electricity from the Asset, whose Half Hourly Metering Systems are used for the purposes of offering Balancing Services;
"**Asset**"	means Plant and/or Apparatus, the flow of electricity to or from which is measured by an Asset Metering System;
"**Asset Differencing**"	means the process set out in Section S10.1A.2;
"**Asset Export**"	means the flow of Active Energy from the Asset to the Boundary Point Metering System;
"**Asset Import**"	means the flow of Active Energy to the Asset from the Boundary Point Metering System;
"**Asset Metering Agent**"	has the meaning given to that term in Section S1.2.2;
"**Asset Meter**"	means a device for measuring Active Power or Active Energy as set out in paragraph 3.1.5 of Code of Practice 11
"**Asset Metering Equipment**":	means Metering Equipment which measures Active Energy or Active Power comprised in an Asset Metering System;
"**Asset Metering System**"	has the meaning given to that term in Section K 1.6(f);
"**Asset Metering System Number**":	means a unique number relating to an Asset Metering System determined by SVAA;
"**Asset Meter Register**" or "**AMR**":	means the register established pursuant to Section S10.A.1 and BSCP602;

"Asset Meter Registration Service" or "AMRS"	means the service provided or to be provided by SVAA for the registration of Asset Metering Systems, in accordance with BSCP602;
"Associated MSID Pair":	the MSID Pairs situated at the Boundary Point(s) at which an Asset is connected to the Total System;

Amend the definition of Communication Equipment as follows:

"Communications Equipment":	means, at or relating to any Boundary Point or Systems Connection Point in respect of any Metering Equipment, or relating to any Asset Metering Equipment:

    (i)   the terminating equipment (which may include a modem) necessary to convert data from such Metering Equipment into a state for transmission to the CDCA for the purposes of Central Volume Allocation or to a Data Collector for the purposes of Supplier Volume Allocation; and

    (ii)   the exchange link which is connected to that terminating equipment;

    but does not include an Outstation;

Amend the definition of Data Collector as follows:

"Data Collector":	means a Party Agent appointed by a Supplier or a Virtual Lead Party in accordance with Section S to retrieve, validate and process metering data in relation to SVA Metering Equipment and/or Asset Metering Equipment (as applicable);

Amend the definition of Half Hourly Data Aggregator and Half Hourly Data Collector as follows:

"Half Hourly Data Aggregator":	means a Data Aggregator which carries out the aggregation of metering data received from Half Hourly Data Collectors in respect of SVA Metering Systems and CVA Metering Systems;
"Half Hourly Data Collector":	means a Data Collector which retrieves, validates and processes metering data from Half Hourly Meters and Equivalent Meters comprised in SVA Metering Systems and/or Asset Metering Systems;

Amend the definition of Meter Operator Agent and Meter Technical Details as follows:

"**Meter Operator Agent**":	means a Party Agent appointed in accordance with Section L to install, commission, test and maintain, and rectify faults in respect of, CVA Metering Equipment and/or SVA Metering Equipment and /or Asset Metering Equipment;
"**Meter Technical Details**":	means all technical details (including Outstation channel mapping) of a Metering System required to enable metered data to be collected and correctly interpreted from that Metering System as referred to in BSCP20, BSCP502 or (as the case may be) BSCP504 or (as the case may be) BSCP602;

Amend the definition of Meter Equipment as follows:

"**Metering Equipment**":	means Meters, Asset Meters, measurement transformers (voltage, current or combination units), metering protection equipment including alarms, circuitry, associated Communications Equipment and Outstations and wiring;

Add the following definition:

"**New VLP Registrant**":	has the meaning given to that term in Section K2.8.1;

Amend the definition of Registrant to read as follows:

"**Registrant**":	means, in relation to a Metering System, the person for the time being registered in CMRS or (as the case may be) SMRS or (as the case may be) AMRS in respect of that Metering System pursuant to Section K;

Insert the following definition:

"**Virtual Lead Party Agent**":	has the meaning given to that term in Section S1.2.2;

ANNEX X-2: TECHNICAL GLOSSARY

Table X–2

Insert the following definition:

Secondary BM Unit AMSID Pair Data   Has the meaning given to that term in Section S
paragraph 10.1A

Table X–4

Insert the following definition to read as follows:

a	refers to a Data Aggregator or, as the context may require in paragraph 3.5 of Annex S-2, to a Data Aggregator appointed by a Primary Supplier against a Primary SVA Metering System Number and a Data Aggregator appointed by an associated Secondary Supplier against a Secondary SVA Metering System Number;
a1	*refers to a Data Aggregator appointed by a Primary Supplier against a Primary SVA Metering System Number K1;*
a1.1	*refers to a Data Aggregator appointed by a Primary Supplier against a Primary SVA Metering System Number K1.1;*
an	refers to a Data Aggregator appointed by a Secondary Supplier against a Secondary SVA Metering System Number Kn;
an.1	refers to a Data Aggregator appointed by a Secondary Supplier against a Secondary SVA Metering System Number Kn.1;
(aa)	refers to an Analysis Class;
(ai)	refers to an Adjusted Interval;
j	refers to a Settlement Period;
i	refers to a BM Unit;
i2	refers to a Secondary BM Unit (where applicable);
(nn)	refers to an individual value of the Regression Coefficient (RC) or of the Matrix of Regression Coefficients (MRC), according to the context;
(vv)	refers to a Consumption Component Class (not for line losses) associated with Consumption Component Class N;
(vvn)	refers to a Consumption Component Class (not for line losses) associated with Consumption Component Class N for which the data aggregation type is 'N';
q	refers to a calendar quarter;
d(q)	refers to the number of days in a calendar quarter;
C	refers to a Standard Settlement Configuration;
G	refers to a Supplier Volume Reporting Group;
H	refers to a GSP Group;
J	refers to a Settlement Register;
K	refers to an SVA Metering System Number and/or Asset Metering System
K1	refers to a Primary SVA Metering System Number;

K1.1 refers to the "virtual" Primary SVA Metering System Number where Section K2.5.4(c)(ii) applies to the Primary Supplier;

Kn refers to a Secondary SVA Metering System Number;

Kn.1 refers to the "virtual" Secondary SVA Metering System Number where Section K2.5.4(c)(ii) applies to the Secondary Supplier;

L refers to a Line Loss Factor Class;

N refers to a Consumption Component Class;

N(c) refers to a non half hourly active import Consumption Component Class;

P refers to a Profile Class;

Q refers to a Profile;

R refers to a valid combination of Time Pattern Regime and Standard Settlement Configuration;

T refers to a Settlement Day;

X refers to a Time Pattern Regime;

Y refers to a calendar year;

Z refers to a Supplier or, as the context may require in paragraph 3.5 of Annex S-2, to the Suppliers acting in the capacity of Primary Supplier and associated Secondary Supplier(s) in respect of a particular Shared SVA Metering System;

Z1 refers to a Supplier acting in the capacity of Primary Supplier in respect of a Shared SVA Metering System; and

Zn refers to a Supplier acting in the capacity of Secondary Supplier in respect of a Shared SVA Metering System.

Table X–5
Insert the following definition to read as follows:

$\Sigma^{(vv)}{}_{LK}$ $\equiv$ summed over all Line Loss Factor Classes (L) and Metering Systems K within a Consumption Component Class (for losses) associated with a particular Consumption Component Class (not for losses) ((vv));

Table X–6
Insert the following definitions to read as follows:

Expression	Acronym	Units	Definition
Allocated Asset Metering System Metered Consumption	$AAVMMC_{HNLKj}$	kWh	The quantity determined in accordance with paragraph 3.9.2A of Annex S-2. *The Allocated Asset Metering System Metered Consumption is the Half Hourly metered volume per Settlement Period of Asset Metering Systems*
AMSID Pair Data			The data comprising the data items pursuant to Section S10.1A

Expression	Acronym	Units	Definition
AMSID Pair Delivered Volume	AMPDVj	MWh	AMSID Pair Delivered Volume is such volumes of Active Energy notified by the Virtual Lead Party in relation to an AMSID Pair and each Associated MSID Pair for the purposes of aggregating Secondary BM Unit Supplier Delivered Volume (VBMUSDViZj)
Asset Meter Register Consumption	AMRCKJj	kWh	The half hourly metered Consumption for a Settlement Register within an Asset Metering System.
Export Consumption Component Class			a Consumption Component Class as shown in Table X-8 as having a measurement quantity ID of Active Export
Import Consumption Component Class			a Consumption Component Class as shown in Table X-8 as having a measurement quantity ID of Active Import
Net Differencing Volume	VNDKj	MWh	has the meaning given to it in Section S-2 7.1.1C

Amend the following definitions:

Expression	Acronym	Units	Definition
Consumption		MWh	The amount of electricity produced by a SVA Generator or used by an SVA ~~Consumer~~Customer.
Consumption Component Class			A classification of half hourly Consumption and/or electricity produced or used by an Asset which comprises one element from each of the following categories as shown in Table X-8: • metered or unmetered; • consumption or SVA generation; • SVA Metering System with or without Metering System specific line losses (but a SVA Metering System without Metering System specific line losses can only be combined with unmetered Consumption); • Consumption without line losses or line losses; • based on actual or estimated half hourly; or • based on Annualised Advance or Estimated Annual Consumption.

Expression	Acronym	Units	Definition
Supplier's Meter Register Consumption	SMRCZaKJj	kWh	The half hourly metered Consumption for a Settlement Register within a SVA Metering System.