LEGAL TEXT FOR PROPOSED MODIFCICATION P305

SECTION F: MODIFICATION PROCEDURES (V24)

2. CODE MODIFICATION PROCEDURES

2.1 Modification Proposals

Amend paragraph 2.1.1 to read as follows:

2.1.1 A proposal to modify the Code may be made by any of the following:

(a) a Party (other than BSCCo or the BSC Clearer);

(b) Citizens Advice and Citizens Advice Scotland;

(c) such other bodies representative of interested third parties as may be designated in writing for this purpose by the Authority from time to time;

(d) the Panel:

(i) on the recommendation of BSCCo in accordance with Section C3.8.8 or Section H9.8;

(ii) on the recommendation of BSCCo following receipt by BSCCo of a change request proposing a change to a Core Industry Document and/or the System Operator-Transmission Owner Code which would, if made, have an impact on the Code;

(iii) on the recommendation of BSCCo where BSCCo becomes aware of a change in circumstances, since approval of a Proposed Modification, which would make the implementation of that Approved Modification impossible or significantly more costly than anticipated at the time such Modification was approved or no longer relevant;

(iv) on the recommendation of BSCCo to rectify manifest errors in or to correct minor inconsistencies (or make other minor consequential changes) to the Code;

(v) on the recommendation of the Trading Disputes Committee in consequence of a Trading Dispute; ~~and~~

(vi) on the recommendation of the Performance Assurance Board in accordance with Section Z8.2~~,~~; and

(vii) on the recommendation of a report in relation to a VoLL Review in accordance with Section T1.12,

provided that, where the Panel decides to make a proposal in any of the circumstances set out in paragraphs (i) to (vii), such proposal shall be without prejudice to the Panel's decision, pursuant to paragraph 2.7, as to whether or not to recommend to the Authority that such modification should be made;

(e) a CfD Counterparty to reflect a proposed change to the CFD Arrangements which would, if made, have an impact on the Code;

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(f) the CM Settlement Body to reflect a proposed change to the CM Arrangements which would, if made, have an impact on the Code; and

(g) the Authority (in relation only to modifications which it reasonably considers are necessary to comply with or implement the Electricity Regulation and/or any relevant legally binding decisions of the European Commission and/or the Agency).

SECTION Q: BALANCING MECHANISM ACTIVITIES (V24)

1.1 Scope

Amend paragraph 1.1.1 to read as follows:

1.1.1 This Section Q provides for:

(a) the submission of data items in respect of relevant BM Units in accordance with the Grid Code;

(b) the submission of Physical Notifications in accordance with the Grid Code such as to enable Final Physical Notification Data to be submitted by the Transmission Company and Point FPNs to be established by the SAA in respect of BM Units for each Settlement Period;

(c) the submission of Final Physical Notification Data to enable Period FPNs to be established by the ECVAA in respect of Interconnector BM Units and for each Credit Qualifying BM Unit for each Settlement Period;

(d) arrangements for the submission by Lead Parties of Bid-Offer Pairs in respect of relevant BM Units and for the acceptance of Bids and Offers by the Transmission Company;

(e) the submission by the Transmission Company of Acceptance Data for the purposes of Section T and Section V;

(f) the submission by the Transmission Company of Balancing Services Adjustment Data for the purposes of Settlement;

(g) the submission by the Transmission Company to the BMRA of other operational data items for the purposes of Section V;

(h) the submission of "**Large Combustion Plant Data**" (LCP Data) in respect of BM Units associated with "**Large Combustion Plants**" (LCPs) by relevant BSC Parties for the purposes of Section V; ~~and~~

(i) the submission by BSCCo to the BMRA of LCP Data for the purposes of Section V~~.~~; and

(j) the submission by the Transmission Company of Loss of Load Probability values and Demand Control Event data for the purposes of Section R, Section S, Section T and Section V.

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5. BALANCING MECHANISM BID-OFFER ACCEPTANCE

5.3 Acceptance Data

Amend paragraph 5.3.1 to read as follows:

5.3.1 Acceptance Data for a BM Unit shall comprise the following data items:

(a) a set comprising one or more Acceptance Volume Pairs, each with a 'from' MW level and an associated 'from' time and a 'to' MW level and an associated 'to' time and where:

(i) the MW levels are expressed in whole MW measured from the zero point (of no energy export or import); and

(ii) the times are expressed in a whole number of minutes and the first 'from' time is not earlier than the Bid-Offer Acceptance Time and the last 'to' time is not later than the end of the last Settlement Period for which Gate Closure fell before the Bid-Offer Acceptance Time; and

(b) the associated Bid-Offer Acceptance Number 'k' expressed as an integer greater than the value of k for the Acceptance Data (for that BM Unit) with the immediately preceding Bid-Offer Acceptance Time or, where any Acceptance Data exists with identical Bid-Offer Acceptance Time, greater than the highest value of k which exists with such Bid-Offer Acceptance Time; and

(c) the associated Bid-Offer Acceptance Time; and

(d) in the case of an Acceptance within paragraph 5.1.3(a), whether the Transmission Company has classified such Acceptance as "SO-Flagged" or "STOR Flagged";

(e) in the case of an Acceptance within paragraph 5.1.3(b) that the Acceptance was an Emergency Acceptance; and

(f) in the case of an Acceptance within paragraph 5.1.3(b) whether the Transmission Company has classified such Acceptance as "Emergency Flagged".

6. SUBMISSION OF DATA BY THE TRANSMISSION COMPANY

Insert new paragraph 6.1.25 to read as follows:

6.1.25 In respect of each Settlement Period, the Transmission Company shall send to the BMRA the De-Rated Margin Forecast calculated in accordance with the Loss of Load Probability Calculation Statement as a minimum (and may send more frequently):

(a) at 1200 hours on each calendar day for all Settlement Periods for which Gate Closure has not yet passed and which occur within the current Operational Day or the following Operational Day; and

(b) at eight, four, two and one hour(s) prior to the beginning of the Settlement Period to which the De-Rated Margin Forecast relates.

Insert new paragraphs 6.2A and 6.2B directly after 6.2 as follows:

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6.2A Submission of data to the CDCA

6.2A.1 Within the period of 5 Business Days commencing on the Business Day after cessation of a Demand Control Event, the Transmission Company shall send to the CDCA:

(a) the BM Unit Identification Number; and

(b) the start and end date and time in Co-ordinated Universal Time for which the BM Unit was subject to Demand Disconnection,

in respect of each disconnected BM Unit that is directly connected to the Transmission System.

6.2B Submission of Data to the SVAA

6.2B.1 The Transmission Company shall send to the SVAA the data relating to Non-BM STOR Instructions and Demand Side Balancing Reserve Instructions in accordance with Section S9.2.

Amend paragraph 6.3.2 to read as follows:

6.3.2 The Balancing Services Adjustment Data shall comprise the following data in respect of each Settlement Period:

(a) the unique sequential number for each Balancing Services Adjustment Action;

(b) for each such Balancing Services Adjustment Action:

(i) the Balancing Services Adjustment Volume;

(ii) the Balancing Services Adjustment Cost; ~~and~~

(iii) whether the Transmission Company has classified such Balancing Services Adjustment Action as "SO-Flagged"; and

(iv) whether the Transmission Company has classified such Balancing Services Adjustment Action as "STOR Flagged";

(c) Buy Price Price Adjustment; and

(d) Sell Price Price Adjustment.

Insert new paragraphs 6.7 to 6.9 inclusive to read as follows:

6.7 Static Function Loss of Load Probability

6.7.1 The Transmission Company shall send any Loss of Load Probability function calculated in accordance with the Loss of Load Probability Calculation Statement to the BMRA not less than three months before it is due to take effect.

6.7.2 Not later than 15 minutes following Gate Closure for each Settlement Period, the Transmission Company shall send to the BMRA the Final Loss of Load Probability value applicable to the relevant Settlement Period calculated in accordance with the Static LoLP Function Methodology.

6.7.3 Paragraph 6.7 shall cease to have effect for all Settlement Periods occurring on or after 00:00 on 1 November 2018.

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6.8 Dynamic Function Loss of Load Probability

6.8.1 With effect from 00:00 on 1 November 2018 and for all Settlement Periods thereafter, the Transmission Company shall:

(a) calculate Indicative Loss of Load Probability values in accordance with the Dynamic LoLP Function Methodology at the following times:

(i) in relation to paragraph 6.8.2, at 1200 hours on each calendar day; and

(ii) in relation to paragraph 6.8.3, at 8 hours, 4 hours and 2 hours prior to the beginning of the Settlement Period for each Settlement Period during each Settlement Day;

(b) calculate the Final Loss of Load Probability value for each Settlement Period in accordance with the Dynamic LoLP Function Methodology at the same time as Gate Closure for each Settlement Period.

6.8.2 Not later than 15 minutes following the calculation time set out in paragraph 6.8.1(a)(i), the Transmission Company shall send to the BMRA the Indicative Loss of Load Probability values applicable to all Settlement Periods for which Gate Closure has not yet passed occurring within the current Operational Day and the following Operational Day.

6.8.3 Not later than 15 minutes following the calculation time set out in paragraph 6.8.1(a)(ii), the Transmission Company shall send to the BMRA the Indicative Loss of Load Probability values applicable to each relevant Settlement Period.

6.8.4 Not later than 15 minutes following the calculation time set out in paragraph 6.8.1(b), the Transmission Company shall send to the BMRA the Final Loss of Load Probability values applicable to the relevant Settlement Period.

6.9 Demand Control Instructions

6.9.1 In this paragraph 6.9:

(a) times by which the Transmission Company is to send data to the BMRA are target times, which the Transmission Company is expected to meet unless abnormal circumstances prevent it from doing so; and

(b) capitalised terms shall, unless otherwise defined in the Code, have the meanings given to such terms in the Grid Code.

6.9.2 For the purposes of paragraph 6.9, a Demand Control Event shall be:

(a) a demand disconnection instructed by the Transmission Company;

(b) a voltage reduction instructed by the Transmission Company; and/or

(c) an automatic low frequency Demand Disconnection,

in each case as set out in OC6 of the Grid Code.

6.9.3 In respect of each Demand Control Event, not later than 15 minutes after the commencement of a Demand Control Event the Transmission Company shall send to the BMRA the following:

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(a) the unique identification number for that Demand Control Instruction;

(b) the relevant stage number for the Demand Control Event Stage (which, for the purposes of this paragraph, shall be the first Demand Control Event Stage);

(c) the Demand Control Event type flag;

(d) the Demand Control Event Start Point;

(e) where known, the Distribution System Operator instructed;

(f) the Demand Control Event Estimate in MW based on the total Demand Control Level anticipated to be delivered; and

(g) a SMAF Flag.

6.9.4 Not later than 15 minutes after the Transmission Company has issued an updated Demand Control Instruction, the Transmission Company shall send to the BMRA the following:

(a) the relevant Demand Control Instruction identification number;

(b) the updated sequential Demand Control Event Stage number;

(c) the Demand Control Event type flag;

(d) the time and date of the additional Demand Control Instruction;

(e) where known, the Distribution System Operator instructed;

(f) the Demand Control Event Estimate in MW based on the total additional Demand Control Level anticipated to be delivered during the stage being reported; and

(g) a SMAF Flag.

6.9.5 Not later than 15 minutes after the end of a Demand Control Event, the Transmission Company shall send to the BMRA the following:

(a) the Demand Control Instruction identification number; and

(b) the Demand Control Event End Point.

6.9.6 For the purposes of the Code, a Demand Control Impacted Settlement Period shall be:

(a) each Settlement Period that corresponds with:

(i) any Demand Control Event Start Point; or

(ii) any Demand Control Event End Point; or

(b) any intervening Settlement Period(s).

6.9.7 As soon as reasonably practical after receipt, the BMRA shall send each Demand Control Event Notice to the SVAA, the SAA and the CDCA

SECTION R: COLLECTION AND AGGREGATION OF METER DATA FROM CVA METERING SYSTEMS (V13)

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Insert new paragraph 8 as follows:

8 DEMAND DISCONNECTION EVENTS

8.1 Duties of Distribution System Operator

8.1.1 Within the period of 5 Business Days commencing on the Business Day after cessation of a Demand Disconnection Event, each Demand Disconnection Impacted DSO shall send to the CDCA:

(a) the BM Unit Identification Number; and

(b) the start and end date and time in Co-ordinated Universal Time for which the BM Unit was subject to Demand Disconnection,

in respect of each disconnected BM Unit that is embedded in a Distribution System.

8.2 Estimation of Period BM Unit Demand Disconnection Volumes (QDD_{ij})

8.2.1 In respect of each Demand Control Impacted Settlement Period and for each BM Unit that is:

(a) directly connected to the Transmission System as notified under Section Q6.2A.1; or

(b) embedded in a Distribution System as notified under paragraph 8.1.1,

the CDCA shall estimate the Period BM Unit Demand Disconnection Volume (QDD_{ij}) in accordance with BSCP03 and shall notify these volumes to the SAA.

SECTION S: SUPPLIER VOLUME ALLOCATION (V22**)**

Insert new paragraph 9 as follows:

9. DEMAND DISCONNECTION EVENTS

9.1 Duties of Distribution System Operator

9.1.1 As regards an Embedded Distribution System that is connected to a Distribution System operated by a Host DSO, that Host DSO shall notify the Embedded DSO as soon as reasonably practicable where it becomes aware of any Demand Disconnection Events affecting that Embedded Distribution System.

9.1.2 Following the cessation of a Demand Disconnection Event, for each SVA Metering System impacted by a Demand Disconnection Event a Demand Disconnection Impacted DSO shall, using the relevant Supplier Meter Registration Service system, identify each MSID that is connected to its Distribution System (either directly or through any private distribution system) but not including any SVA Metering Systems that:

(a) are de-energised;

(b) have been de-registered; or

(c) have voluntarily reduced consumption at the request of the Demand Disconnection Impacted DSO.

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9.1.3 Each Demand Disconnection Impacted DSO shall, in respect of each Impacted SVA Metering System identified under paragraph 9.1.2, notify each Half Hourly Data Collector, Half Hourly Data Aggregator, Non Half Hourly Data Collector and Non Half Hourly Data Aggregator and the SVAA of:

(a) the MSID for each disconnected Metering System; and

(b) the start and end date and time in Co-ordinated Universal Time at which the Metering System was subject to Demand Disconnection.

9.1.4 Any notice given under paragraph 9.1.3 shall be given within the period of 5 Business Days commencing on the Business Day after cessation of Demand Disconnection Event.

9.1.5 Each Demand Disconnection Impacted DSO shall update any notice given under paragraph 9.1.4 as soon as reasonably practical after becoming aware of any necessary amendments to this information.

9.2 Duties of the Transmission Company

9.2.1 Within the period of 25 Business Days commencing on the Business Day after the cessation of a Demand Disconnection Event or as soon as reasonably practicable thereafter, for each Metering System that has been subject to a Non-BM STOR Instruction the Transmission Company shall send to the SVAA:

(a) the MSID; and

(b) the estimated Non-BM STOR Instruction Volume ($NBSVD_{ZaKj}$) anticipated to have been delivered by the MSID,

during each Demand Control Impacted Settlement Period.

9.2.2 Within the period of 25 Business Days commencing on the Business Day after the cessation of a Demand Disconnection Event or as soon as reasonably practicable thereafter, for each Metering System that has been subject to a Demand Side Balancing Reserve Instruction the Transmission Company shall send to the SVAA:

(a) the MSID; and

(b) the estimated Demand Side Balancing Reserve Instruction Volume ($DSRVD_{ZaKj}$) anticipated to have been delivered by the MSID,

during each Demand Control Impacted Settlement Period.

9.2.3 Each Party that is a provider of Non-BM STOR or Demand Side Balancing Reserve shall co-operate with the Transmission Company and provide such information as the Transmission Company may require for the purposes of complying with this paragraph 9.2.

9.3 Duties of the SVAA

9.3.1 The SVAA shall, in respect of each Impacted SVA Metering System identified under paragraphs 9.2.1 or 9.2.2, notify each Half Hourly Data Collector, Half Hourly Data Aggregator, Non Half Hourly Data Collector and Non Half Hourly Data Aggregator of:

(a) the MSID for each Metering System;

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(b) the estimated Non-BM STOR Instruction Volume ($NBSVD_{ZaKj}$) anticipated to have been delivered by each MSID; and

(c) the estimated Demand Side Balancing Reserve Instruction Volume ($DSRVD_{ZaKj}$) anticipated to have been delivered by each MSID,

for each Demand Control Impacted Settlement Period.

9.3.2 Any notice given under paragraph 9.3.1 shall be given within the period of 1 Business Day following receipt of a notification under paragraphs 9.2.1 or 9.2.2.

9.3.3 The SVAA shall send an update to any notice given under paragraph 9.3.1 as soon as reasonably practical after becoming aware of any necessary amendments to this information.

ANNEX S-2: SUPPLIER VOLUME ALLOCATION RULES (V20)

3. HALF HOURLY DATA COLLECTION AND AGGREGATION

Insert new paragraphs 3.7and 3.8 as follows:

3.7 Estimation of Demand Disconnection Volumes

3.7.1 The provisions of paragraph 3.7.2 shall only apply to Demand Control Impacted Settlement Periods.

3.7.2 Each Supplier shall ensure that, for each Demand Control Impacted Settlement Period and each Half Hourly Metering System "K" impacted by a Demand Disconnection, the Half Hourly Data Collector responsible for that Metering System shall estimate the Half Hourly Demand Disconnection Volume (HDD_{Kj}) for each Settlement Period in accordance with the following formula and provides this to the relevant Half Hourly Data Aggregator:

$$HDD_{Kj} = \max (0, E - SMMC_{ZaKj} - NBSVD_{ZaKj} - DSRVD_{ZaKj})$$

where:

E is an estimate of the metered data during the Demand Control Impacted Settlement Period in normal conditions calculated in accordance with BSCP502;

$SMMC_{ZaKj}$ is the Supplier's Metering System Metered Consumption during the Demand Control Impacted Settlement Period;

$NBSVD_{ZaKj}$ is the estimated Non-BM STOR Instruction Volume anticipated to have been delivered during the Demand Control Impacted Settlement Period; and

$DSRVD_{ZaKj}$ is the estimated Demand Side Balancing Reserve Instruction Volume anticipated to have been delivered during the Demand Control Impacted Settlement Period.

3.7.3 The provisions of paragraphs 3.7.4 to 3.7.7 (inclusive) shall only apply to Demand Control Impacted Settlement Periods and shall apply in the case of a GSP Group "H" where the relevant Half Hourly Data Aggregator is not aggregating energy values per Supplier BM Unit in accordance with paragraph 3.6.

3.7.4 Each Supplier shall ensure that each of its Half Hourly Data Aggregators shall determine the Allocated Supplier's Demand Disconnection Volume ($ASDD_{HZaNLKj}$) by assigning a GSP Group "H", Line Loss Factor Class "L", and Consumption Component Class "N" to

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the Half Hourly Demand Disconnection Volume provided, pursuant to paragraph 3.7.2, by the Half Hourly Data Collector appointed by such Supplier to be responsible for the relevant Metering System "K" for the relevant Settlement Day.

3.7.5 For the purposes of paragraph 3.7.4 and any subsequent processing of Half Hourly Demand Disconnection Volume 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.

3.7.6 Each Supplier shall ensure that the Supplier's Demand Disconnection Volume (SDD_{HZaNj}) within Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) within such Supplier "Z" for a particular GSP Group "H" and Half Hourly Data Aggregator "a" shall be determined by the relevant Half Hourly Data Aggregator according to the following formula and shall be provided to the SVAA:

$$SDD_{HZaNj} = \Sigma^{N}_{LK} ASDD_{HZaNLKj} / 1000$$

3.7.7 Each Supplier shall ensure that, for each Supplier's Demand Disconnection Volume (SDD_{HZaNj}) value determined pursuant to paragraph 3.7.6, one or more values of Supplier's Demand Disconnection Volume (Losses) ($SDDL_{HZaNj}$) within Consumption Component Class "N" (which Consumption Component Class shall be a Consumption Component Class for line losses), within such Supplier "Z" for a particular GSP Group "H" and Half Hourly Data Aggregator "a" shall be determined by the relevant Half Hourly Data Aggregator according to the following formula and shall be provided to the SVAA:

$$SDDL_{HZaNj} = \Sigma^{(vv)}_{LK} ((LLF_{Lj} - 1) * ASDD_{HZaNLKj}) / 1000$$

where "(vv)" is the Consumption Component Class (not for line losses) associated with the Consumption Component Class "N" for which the value of $SDDL_{HZaNj}$ is to be determined.

3.8 Estimation of BM Unit's Demand Disconnection Volumes

3.8.1 The provisions of paragraphs 3.8.2 to 3.8.5 (inclusive) shall apply in the case of a GSP Group "H" where the relevant Half Hourly Data Aggregator is to aggregate energy values per Supplier BM Unit in accordance with Section S6, and shall only apply to Demand Control Impacted Settlement Periods.

3.8.2 Each Supplier shall ensure that each of its Half Hourly Data Aggregators shall determine the Allocated BM Unit's Demand Disconnection Volume ($ABDD_{iaNLKj}$) by assigning a BM Unit "i", Line Loss Factor Class "L", and Consumption Component Class "N" to the Supplier's Half Hourly Demand Disconnection Volumes provided, pursuant to paragraph 3.7.2, by the Half Hourly Data Collector most recently appointed by such Supplier to be responsible for the relevant Metering System "K", where the BM Unit "i" shall be:

(a) the Additional BM Unit "i" notified by the Supplier to the Half Hourly Data Aggregator in accordance with Section S6.3 for the Metering System "K", provided that the notification was determined by the Half Hourly Data Aggregator in accordance with BSCP503 to be a valid notification; or

(b) if no such notification has been made, the BM Unit "i" which is the Base BM Unit for the Supplier "Z" and GSP Group "H" to which the Metering System "K" is assigned.

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3.8.3 For the purposes of paragraph 3.8.2 and any subsequent processing of Allocated BM Unit's Half Hourly Demand Disconnection Volume 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.

3.8.4 Each Supplier shall ensure that the BM Unit's Demand Disconnection Volume ($BMDD_{iaNj}$) within Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) within each Supplier BM Unit "i" of such Supplier for a particular Half Hourly Data Aggregator "a" shall be determined by the relevant Half Hourly Data Aggregator according to the following formula and shall be provided to the SVAA:

$$BMDD_{iaNj} = \Sigma^{N}_{LK} \; ABDD_{iaNLKj} \; / \; 1000$$

3.8.5 Each Supplier shall ensure that, for each BM Unit's Half Hourly Demand Disconnection Volume ($BMDD_{iaNj}$) value determined pursuant to paragraph 3.8.4, one or more values of BM Unit's Demand Disconnection Volume (Losses) ($BMDDL_{iaNj}$) within Consumption Component Class "N" (which Consumption Component Class shall be a Consumption Component Class for line losses), within each Supplier BM Unit "i" of such Supplier for a particular Half Hourly Data Aggregator "a" shall be determined by the relevant Half Hourly Data Aggregator according to the following formula and shall be provided to the SVAA:

$$BMDDL_{iaNj} = \Sigma^{(vv)}_{LK} ((LLF_{Lj} - 1) * ABDD_{iaNLKj}) / 1000$$

where "(vv)" is the Consumption Component Class (not for line losses) associated with the Consumption Component Class "N" for which the value of $BMDDL_{iaNj}$ is to be determined.

4. NON HALF HOURLY DATA COLLECTION AND AGGREGATION

Amend paragraph 4.3.1 as follows:

4.3 Non Half Hourly Data Collection

4.3.1 Each Supplier shall ensure that each of its Non Half Hourly Data Collectors shall in respect of each of the Supplier's metered Metering Systems "K" for which such Non Half Hourly Data Collector is responsible and which are not subject to half hourly metering:

(a) collect the Metered Data in accordance with BSCP504;

(b) check the Metered Data and provide reports in accordance with BSCP504;

(c) enter the Metered Data in kWh into the relevant data collection system and calculate Meter Advance values;

(d) receive Daily Profile Coefficients and, from time to time, Period Profile Class Coefficients from the SVAA;

(e) investigate reports on inconsistencies in Estimated Annual Consumption and Annualised Advance data provided by the relevant Non Half Hourly Data Aggregators;

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(f) update standing data entries, provided by the relevant Supplier or, as the case may be, by the SVAA, and Meter Technical Details, as provided by the relevant Meter Operator or, as the case may be, the Supplier (in accordance with BSCP504), to the relevant data collection system to take account of new information;

(g) determine Estimated Annual Consumption (EAC_{KR}) data and Annualised Advance (AA_{KR}) data pursuant to this paragraph 4.3;

(h) provide the Annualised Advance data, their Effective From Settlement Date and Effective To Settlement Date, the Estimated Annual Consumption data and their Effective From Settlement Date, and Metering System details to the relevant Non Half Hourly Data Aggregators; ~~and~~

(i) provide the validated Metered Data and Metering System reports to the relevant Supplier and the relevant Distribution System Operator~~.~~; and

(j) from time to time receive the details of Metering System that have been subject to Demand Disconnection from Distribution System Operators.

Amend paragraph 4.3.3 and insert new paragraph 4.3.3A as follows:

4.3.3 Each Supplier shall ensure that, for each Meter Advance ($MADV_{KR}$), for each such Supplier's metered Metering System "K", the relevant Non Half Hourly Data Collector responsible for such Metering System shall calculate the Fraction Of Yearly Consumption (FYC_{KR}) for the Meter Advance Period for each Settlement Register according to the following formula:

$$FYC_{KR} = \Sigma_T DPC_{HPRT} - \Sigma_T DDDPC_{HPKRT}$$

where:

$\Sigma_T DPC_{HPRT}$ is the sum of the individual Daily Profile Coefficients appropriate to the GSP Group "H", Time Pattern Regime and Standard Settlement Configuration "R" and Profile Class "P" applying to the Metering System on each Settlement Day in the Meter Advance Period as provided by the SVAA and provided pursuant to paragraph 6.8 or paragraph 5.1.7 as applicable~~.~~; and

Σ_T $DDDPC_{HPKRT}$ is the sum of the individual Demand Disconnection Daily Profile Coefficients appropriate to the GSP Group "H", Time Pattern Regime and Standard Settlement Configuration "R" and Profile Class "P" applying to the Metering System "K" on each Settlement Day in the Meter Advance Period as calculated in paragraph 4.3.3A,

and the Non Half Hourly Data Collector shall recalculate the Fraction of Yearly Consumption upon receipt of any updated information in relation to any relevant Demand Disconnection Daily Profile Coefficients.

4.3.3A Each Supplier shall ensure that, in respect of each Settlement Day "T", each GSP Group "H" and each valid combination of Profile Class "P" and Time Pattern Regime within Standard Settlement Configuration "R", the relevant Non Half Hourly Data Collector responsible for a Metering System "K" shall determine a Demand Disconnection Daily Profile Coefficient ($DDDPC_{HPKRT}$) as:

$$DDDPC_{HPKRT} = \Sigma_j (PPCC_{HPRj} * (M_{Kj} / SPD))$$

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where M_{Kj} shall be set to zero for any MSID notified under Section S9.3.1.

4.4 Non Half Hourly Data Aggregation

Amend paragraph 4.4.3 to read as follows:

4.4.3 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall, in respect of the Settlement Day for which an Interim Information Volume Allocation Run, Initial Volume Allocation Run or Reconciliation Volume Allocation Run is being undertaken and in respect only of such Supplier's Metering Systems for which such Non Half Hourly Data Aggregator is responsible for such Settlement Day, make the determinations set out in this paragraph 4.4 and, when appropriate, paragraph 4.5. For the purposes of such determinations, such Supplier shall ensure that the relevant Non Half Hourly Data Aggregator shall employ:

(a) the values of Annualised Advance effective for such Settlement Day which have:

(i) been received from any Non Half Hourly Data Collector currently or previously appointed by such Supplier to be responsible for such Metering System in respect of all, or any part of, the latest period for which such Supplier is responsible for such Metering System; and

(ii) which have the valid combination of Time Pattern Regime and Standard Settlement Configuration "R" for such Metering System for such Settlement Day according to the data held in the relevant Supplier Meter Registration System.

If there is more than one such value of Annualised Advance, only the value provided by such Non Half Hourly Data Collector with the latest appointment date on or prior to the date on the day on which the determinations in respect of such Settlement Day are being undertaken shall be employed. If a value of Annualised Advance has been identified pursuant to this paragraph (a), then for the purposes of the determinations in this paragraph 4.4, no other value of Annualised Advance or value of Estimated Annual Consumption shall be employed for such Time Pattern Regime and Standard Settlement Configuration "R" for such Metering System for such Settlement Day;

(b) if such values of Annualised Advance are not available, the values of Estimated Annual Consumption effective for such Settlement Day which have:

(i) been received from any Non Half Hourly Data Collector currently or previously appointed by such Supplier to be responsible for such Metering System in respect of all or any part of the latest period for which such Supplier is responsible for such Metering System; and

(ii) the valid combination of Time Pattern Regime and Standard Settlement Configuration "R" for such Metering System for such Settlement Day according to the data held in the relevant Supplier Meter Registration System.

If there is more than one such value, only the value of Estimated Annual Consumption with the latest Effective From Settlement Date shall be employed

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or if there remains more than one such value, only the value provided by such Non Half Hourly Data Collector with the latest appointment date on or prior to the date on the day on which the determinations in respect of such Settlement Day are being undertaken shall be employed; or

(c) if no such value of Annualised Advance or Estimated Annual Consumption has been identified pursuant to paragraph (a) or (b) respectively, then for the purposes of the determinations in this paragraph 4.4, there shall be deemed to be no value of Annualised Advance or Estimated Annual Consumption for such Time Pattern Regime and Standard Settlement Configuration "R" for such Metering System for such Settlement Day.

Insert new paragraph 4.5 to read as follows:

4.5 Non Half Hourly Data Aggregation of Demand Disconnection Events

4.5.1 Each Supplier shall ensure that in respect of each Settlement Day that was affected by a Demand Disconnection Event for which an Interim Information Volume Allocation Run, Initial Volume Allocation Run or a Reconciliation Volume Allocation Run is being undertaken, each of its Non Half Hourly Data Aggregators shall in respect of each of the Settlement Registers within such Supplier's Metering Systems affected by a Demand Disconnection Event, including those Settlement Registers within Unmetered Supplies, for which such Non Half Hourly Data Aggregator is responsible and which are not subject to Equivalent Metering:

(a) aggregate annualised Consumption Data related to Metering Systems affected by a Demand Disconnection Event in MWh; and

(b) provide the aggregated annualised Consumption Data to the SVAA in the form of Supplier Disconnection Matrices.

4.5.2 Each Supplier shall ensure that the relevant Non Half Hourly Data Aggregator excludes any MSIDs notified under Section S9.3.1 from the processes under this paragraph 4.5 for each relevant Settlement Period, as though that MSID was not affected by the Demand Disconnection Event in that Settlement Period.

4.5.3 Such Supplier shall ensure that the relevant Non Half Hourly Data Aggregator shall in respect of each relevant Metering System and Settlement Day that is affected by a Demand Disconnection Event pursuant to Section S9.1.2, employing the Annualised Advance or, as the case may be, Estimated Annual Consumption in respect of such Metering System and Settlement Day identified pursuant to paragraph 4.4.3:

(a) if such metered Metering System "K" has a value of Annualised Advance with an Effective From Settlement Date and an Effective To Settlement Date between or, as the case may be, on which such Settlement Day falls, and the Metering System energisation status is determined to be 'energised' by reference to data provided by the relevant SMRA, count the number of Settlement Registers within such Metering System as contributing towards the value of Number Of Non Half Hourly Metering Systems Contributing To The Total Annualised Advance (Disconnected) ($NMAD_{HZLPR}$) and the provisions of paragraphs 4.5.5 and 4.5.6 shall apply and the provisions of paragraphs 4.5.7 to 4.5.12 (inclusive) shall not apply to such Metering System;

(b) if such metered Metering System "K" has a value of Annualised Advance with an Effective From Settlement Date and an Effective To Settlement Date between or, as the case may be, on which such Settlement Day falls, and that

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value is not equal to zero for one or more Settlement Registers within the Metering System, and the Metering System energisation status is determined to be 'de-energised' by reference to data provided by the relevant SMRA, count the number of Settlement Registers within such Metering System as contributing towards the value of Number Of Non Half Hourly Metering Systems Contributing To The Total Annualised Advance (Disconnected) ($NMAD_{HZLPR}$) and the provisions of paragraphs 4.5.5 and 4.5.6 shall apply and the provisions of paragraphs 4.5.7 to 4.5.12 (inclusive) shall not apply to such Metering System;

(c) if such metered Metering System "K" does not have a value of Annualised Advance which is effective for such Settlement Day but does have an Estimated Annual Consumption which is effective for such Settlement Day and the Metering System energisation status is determined to be 'energised' by reference to data provided by the relevant SMRA, count the number of Settlement Registers within such Metering System as contributing towards the value of Number Of Non Half Hourly Metering Systems Contributing To The Total Estimated Annual Consumption (Disconnected) ($NMMED_{HZLPR}$) and the provisions of paragraphs 4.5.7 and 4.5.8 shall apply and the provisions of paragraphs 4.5.5, 4.5.6 and 4.5.9 to 4.5.12 (inclusive) shall not apply to such Metering System;

(d) if such metered Metering System "K" has no Annualised Advance or Estimated Annual Consumption effective for such Settlement Day and the Metering System energisation status is determined to be 'energised' by reference to data provided by the relevant SMRA, count the number of Settlement Registers within such Metered Metering System as contributing towards the value of Number Of Non Half Hourly Metered Metering Systems Requiring a Default Estimated Annual Consumption (Disconnected) ($NMMDED_{HZLPR}$) and the provisions of paragraphs 4.5.9 and 4.4.15 shall apply and the provisions of paragraphs 4.5.5 to 4.5.8 (inclusive) and 4.5.10 to 4.5.12 (inclusive) shall not apply to such Metering System;

(e) if such Metering System "K" is classified as an Unmetered Supply and has a valid Unmetered Supply Certificate effective on the Settlement Day and the Metering System energisation status is determined to be 'energised' by reference to data provided by the relevant SMRA, count the number of Settlement Registers within such Unmetered Supply as contributing towards the value of Number of Non Half Hourly Unmetered Metering Systems Contributing To The Total Estimated Annual Consumption (Disconnected) ($NMUED_{HZLPR}$) and the provisions of paragraphs 4.5.10 and 4.5.11 shall apply and the provisions of paragraphs 4.5.5 to 4.5.9 (inclusive) and 4.5.12 shall not apply to such Unmetered Supply; or

(f) if such Metering System "K" is classified as an Unmetered Supply and does not have a valid Unmetered Supply Certificate effective on the Settlement Day and the Metering System energisation status is determined to be 'energised' by reference to data provided by the relevant SMRA, or if such Metering System "K" is classified as an Unmetered Supply and has an Annualised Advance effective for such Settlement Day, count the number of Settlement Registers within such Unmetered Supply as contributing towards the value of Number Of Non Half Hourly Unmetered Metering Systems Requiring A Default Estimated Annual Consumption (Disconnected) ($NMUDED_{HZLPR}$) and the provisions of paragraphs 4.5.12 and 4.4.16 shall apply and the provisions of paragraphs 4.5.5 to 4.5.11 shall not apply to such Unmetered Supply.

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4.5.4 Each Supplier shall ensure that its Non Half Hourly Data Aggregators shall maintain the following data items for each Settlement Class within such Supplier for the Settlement Day for which an Initial Volume Allocation Run or Reconciliation Volume Allocation Run is being undertaken for which that Non Half Hourly Data Aggregator is responsible:

(a) the value of Number Of Non Half Hourly Metering Systems Contributing To The Total Annualised Advance (Disconnected) ($NMAD_{HZLPR}$);

(b) the value of Number Of Non Half Hourly Metering Systems Contributing To The Total Estimated Annual Consumption (Disconnected) ($NMMED_{HZLPR}$);

(c) the value of Number Of Non Half Hourly Metered Metering Systems Requiring A Default Estimated Annual Consumption (Disconnected) ($NMMDED_{HZLPR}$);

(d) the value of Number Of Non Half Hourly Unmetered Metering Systems Contributing To The Total Estimated Annual Consumption (Disconnected) ($NMUED_{HZLPR}$); and

(e) the value of Number Of Non Half Hourly Unmetered Metering Systems Requiring A Default Estimated Annual Consumption (Disconnected) ($NMUDED_{HZLPR}$).

4.5.5 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the Initial Total Annualised Advance (Disconnected) ($ITAAD_{HZLPR}$) and the Total Annualised Advances (Disconnected) ($TAAD_{HZLPR}$) for such Supplier's non half hourly metered Metering Systems for which such Non Half Hourly Data Aggregator is responsible for each Settlement Class "HLPR" within such Supplier "Z" according to the following formulae:

$$ITAAD_{HZLPR} = \Sigma^{HZLPR}_{K} AA_{KR}$$

$$TAAD_{HZLPR} = ITAAD_{HZLPR} / 1000$$

where such metered Metering Systems have a value of Annualised Advance with an Effective From Settlement Date on or before and an Effective To Settlement Date on or after a Settlement Day or Settlement Days that included Settlement Periods affected by a Demand Disconnection Event.

4.5.6 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the value of $NMAD_{HZLPR}$ for each Settlement Class "HLPR" within such Supplier "Z" as equal to the number of metered Metering Systems for which such Non Half Hourly Data Aggregator is responsible for such Settlement Class for which a value of Annualised Advance has contributed to the Total Annualised Advance (Disconnected) in accordance with paragraph 4.5.5.

4.5.7 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the Total Estimated Annual Consumption For Non Half Hourly Metered Metering Systems (Disconnected) (MED_{HZLPR}) for such Supplier's non half hourly metered Metering Systems for which such Non Half Hourly Data Aggregator is responsible for each Settlement Class "HLPR" within such Supplier "Z" according to the following formula:

$$MED_{HZLPR} = \Sigma^{HZLPR}_{K} EAC_{KR}$$

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where such metered Metering Systems have a value of Estimated Annual Consumption with an Effective From Settlement Date before or, as the case may be, on a Settlement Day that included Settlement Periods affected by a Demand Disconnection Event.

4.5.8 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the value of $NMMED_{HZLPR}$ for each Settlement Class "HLPR" within such Supplier "Z" as equal to the number of such Supplier's metered Metering Systems for which such Non Half Hourly Data Aggregator is responsible for such Settlement Class for which a value of Estimated Annual Consumption has contributed to the Total Estimated Annual Consumption (Disconnected) (MED_{HZLPR}) in accordance with paragraph 4.5.7.

4.5.9 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the value of $NMMDED_{HZLPR}$ for each Settlement Class "HLPR" within such Supplier "Z" as equal to the number of such Supplier's metered Metering Systems for which such Non Half Hourly Data Aggregator is responsible for such Settlement Class for which there is no value of Estimated Annual Consumption and no value of Annualised Advance, and which therefore require a value of Default Estimated Annual Consumption For Metered Metering Systems (DEM_{HZLPR}) to be determined pursuant to paragraph 4.4.15.

4.5.10 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the Value of Estimated Annual Consumption for Non Half Hourly Unmetered Metering Systems (Disconnected) (UED_{HZLPR}) for such Supplier's Unmetered Supplies for which such Non Half Hourly Data Aggregator is responsible for each Settlement Class "HLPR" within such Supplier "Z" according to the following formula:

$$UED_{HZLPR} = \Sigma^{HZLPR}_{K} EAC_{KR}$$

where such Metering Systems have a value of Estimated Annual Consumption with an Effective From Settlement Date on or before a Settlement Day that included Settlement Periods affected by a Demand Disconnection Event.

4.5.11 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the value of $NMUED_{HZLPR}$ for each Settlement Class "HLPR" within such Supplier "Z" as equal to the number of such Supplier's Unmetered Supplies for which such Non Half Hourly Data Aggregator is responsible for such Settlement Class for which there is a value of Estimated Annual Consumption.

4.5.12 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the value of $NMUDED_{HZLPR}$ for each Settlement Class "HLPR" within such Supplier "Z" as equal to the number of such Supplier's Unmetered Supplies for which such Non Half Hourly Data Aggregator is responsible for such Settlement Class for which there is no value of Estimated Annual Consumption, and which therefore require a value of Default Estimated Annual Consumption For Unmetered Metering Systems (DEU_{HZLPR}) to be determined pursuant to paragraph 4.4.16.

4.5.13 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine the values of Total Metered Estimated Annual Consumption (Disconnected) ($TMEACD_{HZLPR}$), Total Number Of Metered Non Half Hourly Metering Systems Contributing To Total Metered Estimated Annual Consumption (Disconnected) ($TMEACCD_{HZLPR}$), Total Unmetered Consumption (Disconnected) ($TUED_{HZLPR}$) and Total Number Of Non Half Hourly Unmetered Metering Systems Contributing To Total Unmetered Consumption (Disconnected) ($TMUECD_{HZLPR}$) for such Supplier's Metering Systems for which such Non Half Hourly Data Aggregator is responsible according to the following formulae:

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$TMEACD_{HZLPR} = (MED_{HZLPR} + (NMMDED_{HZLPR} * DEM_{HZLPR})) / 1000;$

$TMEACCD_{HZLPR} = NMMED_{HZLPR} + NMMDED_{HZLPR}$;

$TUED_{HZLPR} = (UED_{HZLPR} + (NMUDED_{HZLPR} * DEU_{HZLPR})) / 1000$; and

$TMUECD_{HZLPR} = NMUED_{HZLPR} + NMUDED_{HZLPR}$

4.5.14 Each Supplier shall ensure that each of its Non Half Hourly Data Aggregators shall determine a Supplier Disconnection Matrix (SDM_{HZaLPR}) consisting of the following data for such Supplier's Metering Systems for which such Non Half Hourly Data Aggregator is responsible in respect of each Settlement Class "HLPR" within such Supplier "Z":

(a) Number Of Non Half Hourly Metering Systems Contributing To The Total Annualised Advance (Disconnected) ($NMAD_{HZLPR}$);

(b) Number Of Non Half Hourly Metered Metering Systems Requiring A Default Estimated Annual Consumption (Disconnected) ($NMMDED_{HZLPR}$);

(c) Number Of Non Half Hourly Unmetered Metering Systems Requiring A Default Estimated Annual Consumption (Disconnected) ($NMUDED_{HZLPR}$);

(d) Total Number Of Metered Non Half Hourly Metering Systems Contributing To Total Metered Estimated Annual Consumption (Disconnected) ($TMEACCD_{HZLPR}$);

(e) Total Number Of Non Half Hourly Unmetered Metering Systems Contributing To Total Unmetered Consumption (Disconnected) ($TMUECD_{HZLPR}$);

(f) Total Annualised Advance (Disconnected) ($TAAD_{HZLPR}$);

(g) Total Metered Estimated Annual Consumption (Disconnected) ($TMEACD_{HZLPR}$); and

(h) Total Unmetered Consumption (Disconnected) ($TUED_{HZLPR}$).

The Supplier Disconnection Matrix should only be sent in relation to Metering Systems and for Settlement Days affected by a Demand Disconnection Event.

6. PROFILE COEFFICIENTS

Insert new paragraph 6.7.2 as follows:

6.7 Calculation of Period Profile Class Coefficients for each Time Pattern Regime

6.7.2 For all Settlement Days that include at least one Demand Control Impacted Settlement Period, the SVAA shall send the relevant Period Profile Class Coefficients ($PPCC_{HPRj}$) calculated under paragraph 6.7.1 to all Non Half Hourly Data Collectors.

Amend paragraph 6.8 as follows:

6.8 Calculation of Daily Profile Coefficients

6.8.1 In respect of each Settlement Day "~~D~~T", each GSP Group "H" and each valid combination of Profile Class "P" and Time Pattern Regime within Standard Settlement Configuration "R", the SVAA shall determine a Daily Profile Coefficient (DPC_{HPRT}) as:

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$DPC_{HPRT} = \Sigma_j PPCC_{HPRj}$

and the SVAA shall notify the values of Daily Profile Coefficient so determined to each Non Half Hourly Data Collector.

7. HALF HOURLY METERING SYSTEM CONSUMPTION

Amend paragraphs 7.1 and 7.2 as follows:

7.1 Determination of Half Hourly Consumption (Non Losses) by Supplier

7.1.1 For each Supplier's Metered Consumption (SMC_{HZaNj}) value provided pursuant to paragraph 3.5.11, the SVAA shall determine the BM Unit's Metered Consumption ($BMMC_{iaNj}$) by assigning the Supplier's Metered Consumption value to the BM Unit "i" which is the Base BM Unit for the Supplier "Z" and GSP Group "H" to which the value of Supplier's Metered Consumption applies.

7.1.1A For each Supplier's Demand Disconnection Volume (SDD_{HZaNj}) value provided pursuant to paragraph 3.7.6, the SVAA shall determine the BM Unit's Demand Disconnection Volume ($BMDD_{iaNj}$) by assigning the Supplier's Demand Disconnection Volume value to the BM Unit "i" which is the Base BM Unit for the Supplier "Z" and GSP Group "H" to which the value of Supplier's Demand Disconnection Volume applies.

7.1.2 The SVAA shall determine the Half Hourly Consumption (Non Losses) (C_{iNj}) within Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) for each Supplier BM Unit "i" according to the following formula:

$C_{iNj} = \Sigma_a BMMC_{iaNj}$

where BM Unit's Metered Consumption ($BMMC_{iaNj}$) are determined pursuant to paragraphs 3.6.4 and 7.1.1.

7.1.3 For each Demand Control Impacted Settlement Period the SVAA shall determine the Half Hourly Disconnection (Non Losses) (D_{iNj}) within Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) for each Supplier BM Unit "i" according to the following formula:

$D_{iNj} = \Sigma_a BMDD_{iaNj}$

where BM Unit's Demand Disconnection Volume ($BMDD_{iaNj}$) are determined pursuant to paragraphs 3.8.4 and 7.1.1A.

7.2 Determination of Half Hourly Consumption (Losses) by Supplier

7.2.1 For each Supplier's Metered Consumption (Losses) ($SMCL_{HZaNj}$) value provided pursuant to paragraph 3.5.12, the SVAA shall determine the BM Unit's Metered Consumption (Losses) ($BMMCL_{iaNj}$) by assigning the Supplier's Metered Consumption (Losses) value to the BM Unit "i" which is the Base BM Unit for the Supplier "Z" and GSP Group "H" to which the value of Supplier's Metered Consumption (Losses) applies.

7.2.1A For each Supplier's Demand Disconnection Volume (Losses) ($SDDL_{HZaNj}$) value provided pursuant to paragraph 3.7.7, the SVAA shall determine the BM Unit's Demand Disconnection Volume (Losses) ($BMDDL_{iaNj}$) by assigning the Supplier's Demand Disconnection Volume (Losses) value to the BM Unit "i" which is the Base BM Unit for

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the Supplier "Z" and GSP Group "H" to which the value of Supplier's Demand Disconnection Volume applies.

7.2.2 The SVAA shall determine the Half Hourly Consumption (Losses) ($CLOSS_{iNj}$) within Consumption Component Class "N" (which Consumption Component Class shall be a Consumption Component Class for line losses) for each Supplier BM Unit "i" according to the following formula:

$$CLOSS_{iNj} = \Sigma_a \, BMMCL_{iaNj}$$

where BM Unit's Metered Consumption (Losses) ($BMMCL_{iaNj}$) are determined pursuant to paragraphs 3.6.5 and 7.2.1.

7.2.3 For each Demand Control Impacted Settlement Period the SVAA shall determine the Half Hourly Disconnection (Losses) ($DLOSS_{iNj}$) within Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) for each Supplier BM Unit "i" according to the following formula:

$$DLOSS_{iNj} = \Sigma_a \, BMDDL_{iaNj}$$

where BM Unit's Demand Disconnection Volume (Losses) ($BMDDL_{iaNj}$) are determined pursuant to paragraphs 3.8.5 and 7.2.1A.

8. NON HALF HOURLY METERING SYSTEM CONSUMPTION

Amend paragraph 8.1 as follows:

8.1 Settlement Period consumption by Supplier

8.1.1 For each Supplier Purchase Matrix (SPM_{HZaLPR}) value provided pursuant to paragraph 4.4, the SVAA shall determine the BM Unit Purchase Matrix ($BMPM_{iaLPR}$) by assigning a BM Unit "i" to the Supplier Purchase Matrix value, where BM Unit "i" shall be:

(a) the Additional BM Unit "i" notified by the Supplier "Z" to the SVAA in accordance with Section S6.3 for the GSP Group "H", Profile Class "P" and Standard Settlement Configuration "R", provided that the notification was determined by the SVAA in accordance with BSCP507 to be a valid notification; or

(b) if no such notification has been made, the BM Unit "i" which is the Base BM Unit for the Supplier "Z" and GSP Group "H".

8.1.2 The SVAA shall determine BM Unit's Profiled Consumption ($BMPC_{iLPRj}$) for each Supplier BM Unit "i" for the Consumption Data only according to the following formula:

$$BMPC_{iLPRj} = \Sigma_a \, (BMPM_{iaLPR} * PPCC_{HPRj})$$

where $PPCC_{HPRj}$ is the Period Profile Class Coefficient for the GSP Group "H" associated with the Supplier BM Unit "i".

8.1.3 The SVAA shall determine Half Hourly Consumption (Non Losses) (C_{iNj}) for each Supplier BM Unit "i" for Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) according to the following formula:

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$C_{iNj} = \Sigma^{N}_{LPR}\ BMPC_{iLPRj} - \Sigma^{N(n)}_{LPR}\ BMPD_{iLPRj}$

where "N(n)" is a Consumption Component Class for which the data aggregation type is "N".

8.1.4 For each Half Hourly Consumption (Non Losses) (C_{iNj}) value determined pursuant to paragraph 8.1.3, the SVAA shall determine the Half Hourly Consumption (Losses) ($CLOSS_{iNj}$) for each Supplier BM Unit "i" for Consumption Component Class "N" (which Consumption Component Class shall be a Consumption Component Class for line losses) according to the following formula:

$CLOSS_{iNj} = \Sigma^{(vv)}_{L}\ ((LLF_{Lj} - 1) * \Sigma^{(vv)}_{PR}\ BMPC_{iLPRj}) - \Sigma^{(vvn)}_{L}\ ((LLF_{Lj} - 1) * \Sigma^{(vvn)}_{PR}\ BMPD_{iLPRj})$

where "(vv)" is the Consumption Component Class (not for line losses) associated with Consumption Component Class "N" for which a value of $CLOSS_{iNj}$ is to be determined and where "(vvn)" is the Consumption Component Class (not for line losses) associated with Consumption Component Class "N(n)" for which a value of $CLOSS_{iNj}$ is to be determined.

Insert new paragraph 8.2 as follows:

8.2 Settlement Period disconnection by Supplier

8.2.1 For each Supplier Disconnection Matrix (SDM_{HZaLPR}) value provided pursuant to paragraph 4.5, the SVAA shall determine the BM Unit Disconnection Matrix ($BMDM_{iaLPR}$) by assigning a BM Unit "i" to the Supplier Disconnection Matrix value, where BM Unit "i" shall be:

(a) the Additional BM Unit "i" notified by the Supplier "Z" to the SVAA in accordance with Section S6.3 for the GSP Group "H", Profile Class "P" and Standard Settlement Configuration "R", provided that the notification was determined by the SVAA in accordance with BSCP507 to be a valid notification; or

(b) if no such notification has been made, the BM Unit "i" which is the Base BM Unit for the Supplier "Z" and GSP Group "H".

8.2.2 The SVAA shall determine BM Unit's Profiled Disconnection ($BMPD_{iLPRj}$) for each Supplier BM Unit "i" for the Consumption Data only according to the following formula:

$BMPD_{iLPRj} = \Sigma_{a}\ (BMDM_{iaLPR} * PPCC_{HPRj} * (M_{Kj} / SPD))$

where $PPCC_{HPRj}$ is the Period Profile Class Coefficient for the GSP Group "H" associated with the Supplier BM Unit "i".

8.2.3 The SVAA shall determine Half Hourly Disconnection (Non Losses) (D_{iNj}) for each Supplier BM Unit "i" for Consumption Component Class "N" (which Consumption Component Class shall not be a Consumption Component Class for line losses) according to the following formula:

$D_{iNj} = \Sigma^{N}_{LPR}\ BMPD_{iLPRj}$

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8.2.4 For each Half Hourly Disconnection (Non Losses) (D_{iNj}) value determined pursuant to paragraph 8.1.3A, the SVAA shall determine the Half Hourly Disconnection (Losses) ($DLOSS_{iNj}$) for each Supplier BM Unit "i" for Consumption Component Class "N" (which Consumption Component Class shall be a Consumption Component Class for line losses) according to the following formula:

$$DLOSS_{iNj} = \Sigma^{(vv)}_{L} ((LLF_{Lj} - 1) * \Sigma^{(vv)}_{PR} BMPD_{iLPRj})$$

where "(vv)" is the Consumption Component Class (not for line losses) associated with Consumption Component Class "N" for which a value of $DLOSS_{iNj}$ is to be determined.

9. GSP GROUP CORRECTION

Amend paragraph 9 as follows:

9.1 Determination of GSP Group Half Hourly Consumption

9.1.1 The GSP Group Half Hourly Consumption (GC_{HNj}) for each Consumption Component Class "N" within GSP Group "H" shall be determined by the SVAA according to the following formula:

$$GC_{HNj} = \Sigma^{H}_{i} C_{iNj} + \Sigma^{H}_{i} CLOSS_{iNj}$$

where Half Hourly Consumption (Non Losses) (C_{iNj}) and Half Hourly Consumption (Losses) ($CLOSS_{iNj}$) are calculated pursuant to paragraphs 7 and 8.

9.2 Determination of GSP Group Correction Factor

9.2.1 The GSP Group Correction Factor (CF_{Hj}) shall be determined by the SVAA for each GSP Group "H" in accordance with the following formulae:

if for every Consumption Component Class "N", the GSP Group Correction Scaling Weight (WT_N) is equal to zero or if $\Sigma_N (GC_{HNj} * WT_N)$ is equal to zero, then:

$$CF_{Hj} = 1;$$ or

in any other case:

$$CF_{Hj} = 1 + (GSPGT_{Hj} - \Sigma_N GC_{HNj}) / (\Sigma_N (GC_{HNj} * WT_N))$$

9.2.2 If for any GSP Group "H", the following condition applies, then the GSP Group Correction Factor shall be referred by the SVAA to the Panel:

$$CF_{Hj} = 1 \text{ and } GSPGT_{Hj} \neq \Sigma_N GC_{HNj}$$

and the Panel shall determine a replacement GSP Group Correction Factor to be applied in such case or shall determine such other course of action as it may decide is appropriate.

9.3 Determination of Corrected Component

9.3.1 The Corrected Component ($CORC_{iNj}$) for each Consumption Component Class "N" within Supplier BM Unit "i" shall be determined by the SVAA according to the following formula:

$$CORC_{iNj} = (C_{iNj} + CLOSS_{iNj}) * (1 + (CF_{Hj} - 1) * WT_N)$$

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where WT_N is the associated GSP Group Correction Scaling Weight and CF_{Hj} is the value of GSP Group Correction Factor determined pursuant to paragraph 9.2 for the GSP Group "H" associated with the Supplier BM Unit "i".

9.3.2 The Corrected Disconnection Component ($CORDC_{iNj}$) for each Consumption Component Class "N" within Supplier BM Unit "i" shall be determined by the SVAA according to the following formula:

$$CORDC_{iNj} = (D_{iNj} + DLOSS_{iNj}) * (1 + (CF_{Hj} - 1) * WT_N)$$

where WT_N is the associated GSP Group Correction Scaling Weight and CF_{Hj} is the value of GSP Group Correction Factor determined pursuant to paragraph 9.2 for the GSP Group "H" associated with the Supplier BM Unit "i".

9.4 Determination of Supplier Deemed Take

9.4.1 The Supplier Deemed Take (SDT_{HZj}) shall be determined by the SVAA according to the following formula:

$$SDT_{HZj} = \Sigma_i^{HZ} (\Sigma_N CORC_{iNj})$$

9.5 Determination of Non Half Hourly Supplier Deemed Take

9.5.1 The Non Half Hourly Supplier Deemed Take ($NHHSDT_{HZj}$) within GSP Group "H" shall be determined by the SVAA according to the following formula:

$$NHHSDT_{HZj} = \Sigma_i^{HZ} (\Sigma_{N(n)} CORC_{iNj})$$

9.6 Determination of BM Unit Allocated Demand Volume

9.6.1 In respect of each Supplier BM Unit "i", the SVAA shall determine the BM Unit Allocated Demand Volume ($BMUADV_{ij}$) for each Settlement Period "j" according the following formula:

$$BMUADV_{ij} = \Sigma_N CORC_{iNj}$$

9.6.1A In respect of each Supplier BM Unit "i", the SVAA shall determine the BM Unit Allocated Demand Disconnection Volume ($BMUADDV_{ij}$) for each Settlement Period "j" according the following formula:

$$BMUADDV_{ij} = \Sigma_N CORDC_{iNj}$$

9.6.2 The SVAA shall provide the SAA with the BM Unit Allocated Demand Volume ($BMUADV_{ij}$) and the BM Unit Allocated Demand Disconnection Volume ($BMUADDV_{ij}$) for each Supplier BM Unit "i" for each Settlement Period "j" for each Volume Allocation Run.

9.7 Determination of Supplier Cap Take

9.7.1 The Supplier Cap Take (SCT_{HZj}) shall be determined by the SVAA according to the following formula:

$$SCT_{HZj} = \max (\Sigma_i^{HZ} \Sigma_{N(AI)} CORC_{iNj}, 0)$$

SECTION T: SETTLEMENT AND TRADING CHARGES (V23)

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1. GENERAL

Amend paragraph 1.3 to read as follows:

1.3 Data requirements

1.3.1 This paragraph 1.3 sets out data required from different persons in order to make the determinations and calculations set out in this Section T.

1.3.2 Data required from the Transmission Company are:

(a) Final Physical Notification Data;

(b) Bid-Offer Data;

(c) Acceptance Data;

(d) Balancing Services Adjustment Data; ~~and~~

(e) Applicable Balancing Services Volume Data~~.~~; and

(f) Loss of Load Probability and associated data.

1.3.3 Data required from the CDCA are:

(a) BM Unit Metered Volumes for BM Units other than Supplier BM Units and Interconnector BM Units;

(b) Interconnector Metered Volumes;

(c) the GSP Group Take for each GSP Group.

1.3.4 Data required from the ECVAA are:

(a) Metered Volume Fixed Reallocations by BM Unit and Subsidiary Energy Account;

(b) Metered Volume Percentage Reallocations by BM Unit and Subsidiary Energy Account;

(c) the Account Bilateral Contract Volume for each Energy Account.

1.3.5 Data required from Interconnector Administrators are BM Unit Metered Volumes for the Interconnector BM Units of each Interconnector User for each Interconnector.

1.3.6 Data required from the SVAA for each Supplier are BM Unit Allocated Demand Volume.

1.3.7 Data required from the CRA are data registered in CRS and relevant to Settlement.

1.3.8 Data required from the Market Index Data Provider(s) are Market Index Data.

Insert new paragraph 1.6A directly after paragraph 1.6 to read as follows:

1.6A Loss of Load Probability Calculation Statement

1.6A.1 The Panel shall establish and maintain a "**Loss of Load Probability Calculation Statement**" which shall be a document approved by the Authority setting out:

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(a) in respect of the Static LoLP Function Methodology, the method for calculating a LoLP function; and

(b) the method for calculating a Loss of Load Probability value pursuant to the Static LoLP Function Methodology and the Dynamic LoLP Function Methodology.

1.6A.2 The Loss of Load Probability Calculation Statement shall include:

(a) the constant parameters to be used in the determination of Loss of Load Probability;

(b) where applicable, the range of values used to determine Loss of Load Probability values and functions; and

(c) the processes to follow for reviewing, updating and publishing parameters that are to be performed by the Transmission Company on a regular basis.

1.6A.3 The Panel shall review the Loss of Load Probability Calculation Statement:

(a) from time to time; and/or

(b) subject to paragraph 1.6A.4, where it considers necessary in order to give full and timely effect to any relevant Approved Modification by the Implementation Date for that Approved Modification,

and shall make such revisions to the Loss of Load Probability Calculation Statement as may be determined by it and approved by the Authority following such review.

1.6A.4 In reviewing the Loss of Load Probability Calculation Statement the Panel shall:

(a) consult with Parties and other interested parties and have due regard to any representations made and not withdrawn during such consultation; and

(b) provide to the Authority copies of any written representations so made and not withdrawn.

1.6A.5 Where a revised Loss of Load Probability Calculation Statement is approved by the Authority:

(a) such revised Loss of Load Probability Calculation Statement shall be effective from such date as the Panel shall determine with the approval of the Authority (and shall apply in respect of Settlement Days from that date); and

(b) the Panel Secretary shall give notice of such date to the Transmission Company and each Party.

1.6A.6 BSCCo shall ensure that a copy of the Loss of Load Probability Calculation Statement (as revised from time to time) is:

(a) sent to the Transmission Company and each Party; and

(b) published, and made available on request to any person.

1.6A.7 The Panel shall not delegate its power to determine changes to the Loss of Load Probability Calculation Statement (subject to the approval of the Authority) but it may

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delegate its responsibility to maintain and review the Loss of Load Probability Calculation Statement.

Amend paragraphs 1.10 and 1.11 to read as follows:

1.10 Price Average Reference Volume

1.10.1 Subject to paragraph 1.10.2, ~~F~~for the purposes of the Code the "**Price Average Reference Volume**" (PAR) shall be ~~500~~50 MWh.

1.10.2 With effect from 1 November 2018 and for all Settlement Days thereafter, for the purposes of the Code the PAR shall be 1 MWh.

1.11 Replacement Price Average Reference Volume

1.11.1 For the purposes of the Code the "**Replacement Price Average Reference Volume**" (RPAR) shall be ~~100~~1 MWh.

Insert new paragraph 1.12 to read as follows:

1.12 Value of Lost Load

1.12.1 Subject to paragraph 1.12.2, for the purposes of the Code the "**Value of Lost Load**" (VoLL) shall be £3,000/MWh.

1.12.2 With effect from 1 November 2018 and for all Settlement Days thereafter, for the purposes of the Code the VoLL shall be £6,000/MWh.

1.12.3 The Panel, or any Panel Committee to whom responsibility for conducting a review of the VoLL has been delegated, shall review the VoLL:

(a) from time to time; and/or

(b) upon the request of the Authority,

in each case in accordance with the VoLL Review Process.

1.12.4 The Panel shall establish and maintain a VoLL Review Process which shall document the process for reviewing the VoLL in accordance with paragraph 1.12.3 and shall ensure that:

(a) consideration is given to the views and evidence submitted by the Authority;

(b) a consultation is conducted with Parties and other interested parties;

(c) due regard is given to any representations made and not withdrawn during such consultation; and

(d) the conclusions and any recommendations of the VoLL Review shall be set out in a report prepared for the consideration of the Panel.

1.12.5 Where the VoLL Review includes a recommendation that the VoLL be modified the Panel shall decide at the next following Panel meeting whether to propose a modification to paragraph 1.12 in accordance with Section F.

1.12.6 Where the Panel:

(a) rejects a recommendation of the VoLL Review; or

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(b) agrees with a recommendation of the VoLL Review not to modify the VoLL,

the Panel shall submit a report to the Authority in accordance with paragraph 1.12.7.

1.12.7 The report referred to in paragraph 1.12.6 shall:

(a) describe the outcome of the VoLL Review;

(b) set out the views and rationale of Panel Members for why:

(i) no change to the VoLL has been recommended or

(ii) the Panel has rejected the recommendations of the VoLL Review; and

(c) include copies of any written representations made in response the VoLL Review pursuant to paragraph 1.12.4.

1.12.11 The provisions of this paragraph are without prejudice to Section F and the right of any person referred to in Section F2.1.1 to raise a Modification Proposal in respect of the VoLL.

3. SETTLEMENT OF BALANCING MECHANISM ACTIONS

Insert new paragraphs 3.13 to 3.16 inclusive to read as follows:

3.13 Determination of Reserve Scarcity Price ($RSVP_j$)

3.13.1 In respect of each Settlement Period, the Reserve Scarcity Price shall be calculated as:

$RSVP_j = LoLP_j * VoLL$

3.13.2 Subject to paragraph 3.13.3, if there is no Final Loss of Load Probability available for a Settlement Period then the Final Loss of Load Probability shall be the most recently calculated Indicative Loss of Load Probability for that Settlement Period.

3.13.3 If there is no Indicative Loss of Load Probability or Final Loss of Load Probability available for a Settlement Period then the Final Loss of Load Probability shall be NULL and the Reserve Scarcity Price shall be calculated as:

$RSVP_j = 0$

3.14 Determination of STOR Action Price ($STAP^t_j$)

3.14.1 In respect of each Settlement Period that is in a STOR Availability Window, for each accepted Offer that is a STOR Action, the STOR Action Price ($STAP^t_j$) shall be determined as the greater of the Offer Price (PO^n_{ij}) or the Reserve Scarcity Price ($RSVP_j$) applicable to that Settlement Period.

3.14.2 In respect of each Settlement Period, for each Balancing Services Adjustment Action that is a STOR Action, the $STAP^t_j$ shall be determined as the greater of the Balancing Services Adjustment Price ($BSAP^m_j$) or the Reserve Scarcity Price ($RSVP_j$) applicable to that Settlement Period.

3.15 Determination of System Demand Control Volume ($QSDC_j$ and $QBDC_j$)

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3.15.1 In respect of each Demand Control Instruction, for each Demand Control Event Stage:

(a) the Start Point Demand Control Level shall be the Demand Control Event Estimate determined as at the relevant time and date notified by the Transmission Company in accordance with Section Q6.9.3 or Q6.9.4; and

(b) the End Point Demand Control Level shall be the Demand Control Event Estimate determined as at the Demand Control Event End Point notified by the Transmission Company in accordance with Section Q6.9.5.

3.15.2 In respect of each Settlement Period, the Demand Control Volume for each Demand Control Event Stage shall be established by linear interpolation from the values of Start Point Demand Control Level and End Point Demand Control Level.

3.15.3 In respect of each Settlement Period:

(a) the "**System Demand Control Volume**" ($QSDC_j$) shall be equal to the sum of the Demand Control Volumes determined under paragraph 3.15.2 where the Demand Control Volume Notice has included a SMAF Flag set to "Yes";

(b) the "**Balancing Demand Control Volume**" ($QBDC_j$) shall be equal to the sum of the Demand Control Volumes determined under paragraph 3.15.2 where the Demand Control Volume Notice has included a SMAF Flag set to "No".

4. SETTLEMENT CALCULATIONS

Amend paragraph 4.3 to read as follows:

4.3 Determination of Information Imbalance Volumes (QII_{ij}) and Charges (CII_{ij})

4.3.1 In respect of each Settlement Period, for each BM Unit, the Period FPN (FPN_{ij}) will be calculated by integrating the value of $FPN_{ij}(t)$ over all spot times falling within the Settlement Period in question.

4.3.2 In respect of each Settlement Period, for each BM Unit, the Period BM Unit Balancing Services Volume will be determined as follows:

$$QBS_{ij} = -\sum^{n} (QAO^{n}_{ij} + QAB^{n}_{ij}) + QAS_{ij} + BMUADDV_{ij} - QDD_{ij}$$

where $\sum^{n}$ represents the sum over all Bid-Offer Pair Numbers for the BM Unit.

4.3.3 In respect of each Settlement Period, for each BM Unit, the Period Expected Metered Volume will be determined as follows:

$$QME_{ij} = -FPN_{ij} + QBS_{ij}$$

4.3.4 In respect of each Settlement Period, for each BM Unit, the Period Information Imbalance Volume will be determined as follows:

$$QII_{ij} = \left| QM_{ij} - QME_{ij} \right|$$

4.3.5 In respect of each Settlement Period, the Information Imbalance Price (IIP_j) shall be an amount equal to zero.

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4.3.6 In respect of each Settlement Period, for each BM Unit, the Information Imbalance Charge will be determined as follows:

$CII_{ij} = QII_{ij} * IIP_j$

4.3.7 In respect of each Settlement Period, the Total System Information Imbalance Charge will be determined as follows:

$TCII_j = -\sum_i CII_{ij}$

where $\sum_i$ represents the sum over all BM Units.

4.3.8 In respect of each Settlement Day, for each Party p, the Daily Party Information Imbalance Charge shall be determined as:

$CII_p = \Sigma_j \Sigma_{i \in p} CII_{ij}$

where $\sum j$ represents the sum over all Settlement Periods and $\Sigma i \in p$ represents the sum over all BM Units for which Party p is the Lead Party.

Amend paragraph 4.4 to read as follows:

4.4 Determination of Energy Imbalance Prices (SBP_j and SSP_j)

4.4.1 In respect of each Settlement Period the Final Ranked Set of System Actions shall be established in accordance with Annex T-1.

4.4.2 In respect of each Settlement Period if the Net Imbalance Volume is not equal to zero, and is a positive number, and $\{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAB^m_j + \Sigma^t QSIV^t_j + QSDC_j + QBDC_j\}$ is not equal to zero:

(a) ~~if the Net Imbalance Volume is not equal to zero, and is a positive number, and $\{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAB^m_j\}$ is not equal to zero, then~~ the System Buy Price will be determined as follows:

$SBP_j = \{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * PO^n_{ij} * TLM_{ij}\} + \Sigma^m \{QBSAB^m_j * BSAP^m_j\} + \Sigma^t \{QSIV^t_j * STAP^t_j\} + \{QSDC_j + QBDC_j\} * VoLL\} / \{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAB^m_j + \Sigma^t QSIV^t_j + QSDC_j + QBDC_j\} + \{BPA_j\}$

where Σ_i represents the sum over all BM Units, Σ^n represents the sum over all accepted Offers in the Final Ranked Set of System Buy Actions, Σ^k represents the sum over all Acceptances within the Settlement Period, ~~and~~ Σ^m represents the sum over all Balancing Services Adjustment Buy Actions in the Final Ranked Set of System Buy Actions, and Σ^t represents the sum over all STOR Actions in the Final Ranked Set of System Buy Actions; and

(b) ~~if the Net Imbalance Volume is equal to zero, or is a negative number, or $\{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAB^m_j\}$ is equal to zero, then:~~

~~(i) subject to paragraph (ii), the System Buy Price will (subject to paragraph 4.4.4) be equal to the Market Price (MP_j);~~

~~(ii) if the Net Imbalance Volume is a negative number and SSP_j as determined in accordance with paragraph 4.4.3(a) would exceed the Market Price, then SBP_j~~

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~~shall instead be equal to SSP_j as determined in accordance with paragraph 4.4.3(a).~~the System Sell Price shall be equal to the System Buy Price as determined in 4.4.2(a).

4.4.3 In respect of each Settlement Period if the Net Imbalance Volume is not equal to zero, and is a negative number, and $\{\Sigma_i\Sigma^n\Sigma^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAS^m_j\}$ is not equal to zero:

(a) ~~if the Net Imbalance Volume is not equal to zero, and is a negative number, and $\{\Sigma_i\Sigma^n\Sigma^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAS^m_j\}$ is not equal to zero, then~~ the System Sell Price will be determined as follows:

$$SSP_j = \{\Sigma_i\Sigma^n\Sigma^k \{QAB^{kn}_{ij} * PB^n_{ij} * TLM_{ij}\} + \Sigma^m \{QBSAS^m_j * BSAP^m_j\}\} / \{\Sigma_i\Sigma^n \Sigma^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAS^m_j\} + \{SPA_j\}$$

where Σ_i represents the sum over all BM Units, Σ^n represents the sum over all accepted Bids in the Final Ranked Set of System Sell Actions, Σ^k represents the sum over all Acceptances within the Settlement Period, and Σ^m represents the sum over all Balancing Services Adjustment Sell Actions in the Final Ranked Set of System Sell Actions; and

(b) ~~if the Net Imbalance Volume is equal to zero, or is a positive number, or $\{\Sigma_i\Sigma^n\Sigma^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAS^m_j\}$ is equal to zero, then:~~

~~(i) subject to paragraph (ii), the System Sell Price will (subject to paragraph 4.4.4) be equal to the Market Price (MP_j);~~

~~(ii) if the Net Imbalance Volume is a positive number and SBP_j as determined in accordance with paragraph 4.4.2(a) would be less than the Market Price, then SSP_j shall instead be equal to SBP_j as determined in accordance with paragraph 4.4.2(a).~~ the System Buy Price shall be equal to the System Sell Price as determined in 4.4.3(a).

4.4.3A In respect of each Settlement Period, if the Net Imbalance Volume is equal to zero, or if the Net Imbalance Volume is not equal to zero and is a positive number and $\{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAB^m_j + \Sigma^t QSIV^t_j + QSDC_j + QBDC_j\}$ is equal to zero, or if the Net Imbalance Volume is not equal to zero and is a negative number and $\{\Sigma_i\Sigma^n\Sigma^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAS^m_j\}$ is equal to zero, then:

(a) the System Buy Price will (subject to paragraph 4.4.4) be equal to the Market Price (MP_j); and

(b) the System Sell Price shall be equal to the System Buy Price as determined in 4.4.3A(a).

4.4.4 Without prejudice to paragraphs 1.6.4(b) and 1.6.6(b), if for whatever reason (including the submission or deemed submission of zero values or the absence of Market Index Data) in respect of a Settlement Period:

$$\Sigma_s \; QXP_{sj} = 0$$

where Σ_s represents the sum over all Market Index Data Providers,

then ~~(notwithstanding paragraphs 4.4.2(b) and 4.4.3(b)),~~: if the Net Imbalance Volume is equal to zero, or if the Net Imbalance Volume is not equal to zero and is a positive number and $\{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAB^m_j + \Sigma^t QSIV^t_j + QSDC_j + QBDC_j\}\}$ is equal

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to zero, or if the Net Imbalance Volume is not equal to zero and is a negative number and $\{\Sigma_i\Sigma^n\Sigma^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAS^m_j\}$ is equal to zero, then:

(a) the System Buy Price will be equal to zero; and

(b) the System Sell Price shall be equal to the System Buy Price as determined in 4.4.4(a).

~~(a) if the Net Imbalance Volume is a positive number, and $\{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAB^m_j\}$ is not equal to zero, SSP_j shall be equal to SBP_j as determined in accordance with paragraph 4.4.2(a);~~

~~(b) if the Net Imbalance Volume is a positive number, and $\{\Sigma_i\Sigma^n\Sigma^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAB^m_j\}$ is equal to zero, each of SBP_j and SSP_j shall be zero;~~

~~(c) if the Net Imbalance Volume is a negative number, and $\{\Sigma_i\Sigma^n\Sigma^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAS^m_j\}$ is not equal to zero, SBP_j shall be equal to SSP_j as determined in accordance with paragraph 4.4.3(a);~~

~~(d) if the Net Imbalance Volume is a negative number, and $\{\Sigma_i\Sigma^n\Sigma^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \Sigma^m QBSAS^m_j\}$ is equal to zero, each of SBP_j and SSP_j shall be zero; and~~

~~(e) if the Net Imbalance Volume is zero, each of SBP_j and SSP_j shall be zero.~~

Annex T-1: Final Ranked Set of System Actions

Part 1 – Derivation of Final Ranked Set of System Actions

Amend paragraph 1 to read as follows:

1. INTRODUCTION

1.1 This Annex T-1 sets out:

(a) in this Part 1, the basis on which, for each Settlement Period, the Final Ranked Set of System Actions will be determined for the purposes of calculating the System Buy Price or (as the case may be) the System Sell Price pursuant to Section T4.4;

(b) in Part 2, detailed provisions for CADL Flagging, Arbitrage Tagging, NIV Tagging, determining the Replacement Price, and PAR Tagging for the purposes of Part 1;

(c) in Part 3, the determination of certain terms for reporting purposes.

1.2 For the purposes of the Code, in relation to a Settlement Period:

(a) in relation to a BM Unit and an Acceptance, an "**accepted Offer**" means the Period Accepted Offer Volume (QAO^{kn}_{ij}), and an "**accepted Bid**" means the Period Accepted Bid Volume (QAB^{kn}_{ij}) but excluding Offers and Bids where the value of Period Accepted Offer Volume or Period Accepted Bid Volume (as the case may be) is zero or which are STOR Actions;

(b) a "**System Buy Action**" (QSB^w_j) means:

(i) in relation to each BM Unit, an accepted Offer that is not a STOR Action; ~~and~~

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(ii) in relation to each Balancing Services Adjustment Buy Action, the Balancing Services Adjustment Buy Volume ($QBSAB^{m}_{j}$) that is not a STOR Action;

(iii) in relation to each STOR Action, the STOR Instructed Volume ($QSIV^{t}_{j}$);

(iv) in relation to each Demand Control Impacted Settlement Period, the System Demand Control Volume ($QSDC_{j}$); and

(v) in relation to each Demand Control Impacted Settlement Period, the Balancing Demand Control Volume ($QBDC_{j}$).

(c) a "**System Sell Action**" (QSS^{w}_{j}) means:

(i) in relation to each BM Unit, an accepted Bid; and

(ii) in relation to each Balancing Services Adjustment Sell Action, the Balancing Services Adjustment Sell Volume ($QBSAS^{m}_{j}$);

(d) "**System Action**" means a System Buy Action or a System Sell Action;

(e) in relation to a System Buy Action or a System Sell Action, the "**System Action Price**" (SAP^{w}_{j}) is:

(i) in the case of an accepted Offer that is not a STOR Action, the Offer Price (PO^{n}_{ij});

(ii) in the case of an accepted Bid, the Bid Price (PB^{n}_{ij});

(iii) in the case of an Balancing Services Adjustment Action that is not a STOR Action, the Balancing Services Adjustment Price ($BSAP^{m}_{j}$);

(iv) in the case of a STOR Action, the STOR Action Price ($STAP^{t}_{j}$);

(v) in the case of a System Demand Control Volume or a Balancing Demand Control Volume, the VoLL.

(f) a "**Ranked Set**" is a set of System Actions ranked in accordance with the further provisions of this Part 1; and references to the Ranked Sets are to the two Ranked Sets (of System Buy Actions and System Sell Actions respectively).

1.3 In this Annex T-1, references to summation over System Sell Actions or System Buy Actions are to summation (in relation to accepted Offers or accepted Bids) over all BM Units and Acceptances, and (in relation to Balancing Services Adjustment Actions) over all Balancing Services Adjustment Actions.

1.4 In any provision of this Annex T-1, a System Action is "**Flagged**" where (in relation to the steps in paragraphs 3, 4 and 5) it is a First-Stage Flagged System Action, or (in relation to the step in paragraph 8) a Second-Stage Flagged System Action; and otherwise (in relation to the relevant such step(s)) is "**Unflagged**".

1.5 Where (pursuant to any provision of this Annex T-1) a fraction of a System Action is to be defined in a particular way, the System Action shall be treated as if it were two System Actions comprising respectively such fraction, and the remainder, of the original System Action, and respectively defined, and not defined, in that way.

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Amend paragraph 4 to read as follows:

4. SO-FLAGGING

4.1 This paragraph 4 applies in relation to each System Action in the CADL Flagged Ranked Sets of System Actions.

4.2 Each accepted Offer and accepted Bid for which the Acceptance was classified by the Transmission Company as 'SO-Flagged' shall be a First-Stage Flagged System Action.

4.3 Each Balancing Services Adjustment Action which was classified by the Transmission Company as 'SO-Flagged' shall be a First-Stage Flagged System Action.

4.3A Each System Demand Control Volume shall be a First-Stage Flagged System Action.

4.4 The Ranked Sets of System Actions following the application of this paragraph 4 are the SO-Flagged Ranked Sets of System Actions.

Part 2 - detailed provisions

Amend paragraph 12 of Part 2 to read as follows:

12. CADL FLAGGING

12.1 In relation to each Acceptance, k, for a particular BM Unit, another Acceptance for the same BM Unit is "related" to Acceptance k where such other Acceptance has a Bid-Offer Acceptance Time that falls within the period:

(a) from and including the spot time at the start of the Settlement Period which falls three Settlement Periods prior to the Settlement Period in which the Bid-Offer Acceptance Time for Acceptance k falls, and

(b) to and including the spot time at the end of the Settlement Period which falls three Settlement Periods after the Settlement Period in which the Bid-Offer Acceptance Time for Acceptance k falls.

12.2 In relation to each Acceptance k, another Acceptance is "continuous" with Acceptance k if it is related to Acceptance k, and:

(a) the spot time associated with:

(i) the first Point Acceptance Volume of the Acceptance is earlier, and

(ii) the last Point Acceptance Volume of the Acceptance is not earlier

than the spot time associated with the first Point Acceptance Volume of Acceptance k; or

(b) the spot time associated with:

(i) the last Point Acceptance Volume of the Acceptance is later, and

(ii) the first Point Acceptance Volume of the Acceptance is not later than

the spot time associated with the last Point Acceptance Volume of Acceptance k; or

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(c) the Acceptance is continuous (in accordance with paragraph (a) or (b)) with another Acceptance which is determined (including, for the avoidance of doubt, by virtue of this paragraph (c)) to be a continuous Acceptance in relation to Acceptance k.

12.3 In relation to each Acceptance k, for a particular BM Unit, the Continuous Acceptance Duration (CAD^k_i) shall be the duration of the period:

(a) commencing at the earliest spot time associated with:

(i) any value of Point Acceptance Volume for Acceptance k; or

(ii) any Point Acceptance Volume for any Acceptance that is a continuous Acceptance in relation to Acceptance k, and

(b) ending at the latest spot time associated with:

(i) any value of Point Acceptance Volume for Acceptance k; or

(ii) any Point Acceptance Volume for any Acceptance that is a continuous Acceptance in relation to Acceptance k.

12.4 In relation to each accepted Offer and accepted Bid in the Ranked Sets of System Actions, if (for the associated Acceptance k) $CAD^k_i < CADL$, then the accepted Offer or accepted Bid shall be CADL Flagged.

12.5 In relation to each Demand Control Volume, the Continuous Acceptance Duration (CAD) shall be the duration of the period:

(a) commencing at the Demand Control Event Start Point; and

(b) ending at the Demand Control Event End Point.

12.6 In relation to each Demand Control Volume in the Ranked Sets of System Actions, if CAD < CADL, then the Demand Control Volume shall be CADL Flagged.

SECTION V: REPORTING (V30)

2. BMRS

2.6 Indicative data

Insert new paragraph 2.6.8 to read as follows:

2.6.8 In respect of each Settlement Period, the BMRA shall calculate the Demand Control Volume in accordance with the rules in Section T3 provided that where the BMRA has not received a Demand Control Event End Point notification from the Transmission Company, it shall deem the Demand Control Event End Point as the end time and date of the relevant Settlement Period.

ANNEX V-1: TABLES OF REPORTS

TABLE 1 –BMRS

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Amend as follows:

For each BM STOR Action – the Acceptance Volume Pairs, the Offer Price and the Bid-Offer Acceptance Number	Half hourly	Tabular	None
For each Non-BM STOR Action – the Balancing Services Adjustment Volume, the Balancing Services Adjustment Cost and the Bid-Offer Acceptance Number	Half hourly	Tabular	None
Utilisation Price for each STOR Action	Half hourly	Tabular	None
Reserve Scarcity Price for each STOR Action	Half hourly	Tabular	None
Indicative Loss of Load Probability	As received	Tabular	Most recently received Indicative Loss of Load Probability, otherwise none
Final Loss of Load Probability	As received	Tabular	Most recently received Indicative Loss of Load Probability, otherwise none
Demand Control Instruction	As received	Tabular	None
De-Rated Margin Forecast	As received	Tabular	None

ANNEX X-1: GENERAL GLOSSARY (~~V65~~V66)

Insert the following new definitions in alphabetical order:

"**Demand Control Event End Point**":	means the date and time at which a Demand Control Event ceases;
"**Demand Control Event Estimate**":	means the estimated volume instructed by the Transmission Company in respect of a Demand Control Event;

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"**Demand Control Event Notice**":	means each of the notifications submitted by the Transmission Company pursuant to Sections Q6.9.3 to Q6.9.5 inclusive;
"**Demand Control Event Stage**":	means each stage of a Demand Control Event as determined by the Transmission Company in accordance with the Grid Code;
"**Demand Control Event Start Point**":	means the date and time at which a Demand Control Event commences;
"**Demand Control Event**":	has the meaning given to that term in Section Q6.9.2;
"**Demand Control Impacted Settlement Period**":	has the meaning given to that term in Section Q6.9.6;
"**Demand Control Instruction**":	means an instruction sent by the Transmission Company to a Distribution System Operator in respect of a Demand Control Event;
"**Demand Control Level**":	means the level of electricity instructed by the Transmission Company pursuant to a Demand Control Instruction;
"**Demand Control Volume**":	means the volume of electricity that is subject to a Demand Control Instruction;
"**Demand Disconnection Event**":	means the parts of a Demand Control Event that consist of a Demand Disconnection;
"**Demand Disconnection Impacted DSO**":	means a Distribution System Operator impacted by a Demand Control Event;
"**Demand Disconnection**":	has the meaning given to the terms Demand and Disconnection respectively in the Grid Code;
"**Demand Side Balancing Reserve**" or "**DSBR**":	means the balancing service of that name used by the Transmission Company to reduce system demand;
"**Dynamic LoLP Function Methodology**":	means the method for determining a dynamic Loss of Load Probability function as set out in the Loss of Load Probability Calculation Statement;
"**Embedded Distribution System**":	means an independent Distribution System that is connected to the Distribution System of a Host DSO;
"**Embedded DSO**":	means a Distribution System Operator operating an Embedded Distribution System;
"**Host DSO**":	means a Distribution System Operator operating a Distribution System that is directly connected to the Transmission System;

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"**Impacted SVA Metering System**":	means an SVA Metering System impacted by a Demand Disconnection;
"**Loss of Load Probability Calculation Statement**":	has the meaning given to that term in Section T1.6A.1;
"**Non-BM STOR**":	means the balancing service used by the Transmission Company to provide reserve power in the form of either generation or demand reduction;
"**Static LoLP Function Methodology**":	means the method for determining a static Loss of Load Probability function as set out in the Loss of Load Probability Calculation Statement;
"**STOR Availability Window**":	means the time during which providers of STOR are required to be available;
"**System Management Action Flag" or "SMAF**":	means a flag set by the Transmission Company pursuant to its System Management Action Flagging Methodology;
"**VoLL Review Process**":	means the process for reviewing the VoLL established and maintained by the Panel pursuant to Section T1.12.4;
"**VoLL Review**":	means a review of the VoLL initiated and conducted in accordance with Section T1.12.3;

ANNEX X-2: TECHNICAL GLOSSARY (V34)

Table X–1

Use of Subscripts and Superscripts Applying Except in Relation to Section S

Insert the following new subscripts and superscripts into Table X-1 in alphabetical order as follows:

Symbol	Parameter
t	STOR Action Number

Table X–2

Terms and Expressions Applying Except in Relation to Section S

Insert the following new terms and expressions into Table X-2 in alphabetical order as follows:

Defined Term	Acronym	Units	Definition/Explanatory Text
Balancing Demand Control Volume	$QBDC_{ij}$	MWh	Has the meaning given to it in Section T3.15.3(b).
BM Unit Allocated Demand Disconnection	$BMUADDV_{ij}$	MWh	The quantity submitted in accordance with paragraph 9.6.2 of Annex S-2.

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Defined Term	Acronym	Units	Definition/Explanatory Text
Volume			
Demand Side Balancing Reserve Instruction			An instruction given by the Transmission Company pursuant to a demand side balancing reserve contract to reduce or shift demand.
De-Rated Margin Forecast		MWh	The forecast submitted in accordance with Section Q6.1.25.
End Point Demand Control Level		MW	Has the meaning given to that term in Section T3.15(b).
Final Loss of Load Probability	$LoLP_j$		In relation to a Settlement Period, the final probability to be provided by the Transmission Company in accordance with the Loss of Load Probability Calculation Statement and Section Q6.8.1 or Q6.8.4, as applicable.
Indicative Loss of Load Probability			In relation to a Settlement Period, the indicative probability to be provided by the Transmission Company in accordance with the Loss of Load Probability Calculation Statement and Sections Q6.8.2 and Q6.8.3.
Loss of Load Probability			In relation to a Settlement Period, the Final Loss of Load Probability or the Indicative Loss of Load Probability as the context so requires.
Non-BM STOR Instruction			A Short Term Operating Reserve instruction given by the Transmission Company outside of the balancing mechanism in order to increase generation or reduce demand.
Period BM Unit Demand Disconnection Volume	QDD_{ij}	MWh	The quantity established in accordance with Section R8.2.1. *The Period BM Unit Demand Disconnection Volume is the volume of energy for BM Unit i in Settlement Period j that was subject to Demand Disconnection.*
Reserve Scarcity Price	$RSVP_j$	£/MWh	In respect of a Settlement Period, the price determined in accordance with Section T3.13.
Start Point Demand Control Level		MW	Has the meaning given to that term in Section T3.15(a).
STOR Action			A Short Term Operating Reserve action taken by the Transmission Company during a STOR Availability Window in order to increase generation or reduce demand.
STOR Action Price	$STAP^t_j$	£/MWh	In relation to each STOR Action, the price determined in accordance with Section T3.14
STOR Instructed	$QSIV^t_j$	MWh	In respect of each STOR Action, the volume of

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Defined Term	Acronym	Units	Definition/Explanatory Text
Volume			Short Term Operating Reserve instructed by the Transmission Company in order to increase generation or reduce demand.
System Demand Control Volume	$QSDC_i$	MWh	Has the meaning given to it in Section T3.15.3(a).
Utilisation Price		£/MWh	The amount sent by the Transmission Company as a utilisation payment in respect of a STOR Action which: (i) in relation to a BM STOR Action shall be the Offer Price; and (ii) in relation to a Non-BM STOR Action shall be the Balancing Services Adjustment Cost.
Value of Lost Load	VoLL	£/MWh	Has the meaning given to it in Section T1.12.1.

Table X-3

Glossary of Acronyms Applying Except In Relation To Section S

Insert the following new acronyms into Table X-3 in alphabetical order as follows:

Acronym	Units	Corresponding Defined Term or Expression
$BMUADDV_{ij}$	MWh	BM Unit Allocated Demand Disconnection Volume
$LoLP_j$		Final Loss of Load Probability
$QBDC_j$	MWh	Balancing Demand Control Volume
QDD_{ij}	MWh	Period BM Unit Demand Disconnection Volume
$QSIV^t_j$	MWh	STOR Instructed Volume
$QSDC_j$	MWh	System Demand Control Volume
$RSVP_j$	£/MWh	Reserve Scarcity Price
$STAP^t_j$	£/MWh	STOR Action Price
VoLL	£/MWh	Value of Lost Load

Table X–4

Use of Subscripts and Superscripts Applying to Section S

Insert the following new subscripts and superscripts into Table X-4 immediately after (vv) as follows:

(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';

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Table X–5

Use of Summations Applying to Section S

Insert the following new summation into Table X-5 immediately after Σ^{N}_{LPR} *as follows:*

$\Sigma^{N(n)}_{LPR}$	=	summed over all kWh readings within a Settlement Class (LPR) itself within a particular Consumption Component Class (N) for which the data aggregation type is 'N';

Insert the following new summation into Table X-5 immediately after $\Sigma^{(vv)}_{L}$ *as follows:*

$\Sigma^{(vvn)}_{L}$	=	summed over all Line Loss Factor Classes (L) within a Consumption Component Class (for losses) associated with a particular Consumption Component Class (not for line losses) for which the data aggregation type is 'N' ((vvn));

Insert the following new summation into Table X-5 immediately after $\Sigma^{(vv)}_{PR}$ *as follows:*

$\Sigma^{(vvn)}_{PR}$	=	summed over all Profile Classes (P) and Time Pattern Regimes within Standard Settlement Configuration (R) within a Consumption Component Class (for losses) associated with a particular Consumption Component Class (not for line losses) for which the data aggregation type is 'N' ((vvn));

Table X–6

Definitions Applying To Section S

Insert the following new definitions into Table X-6 in alphabetical order as follows:

Expression	Acronym	Units	Definition
Allocated BM Unit's Demand Disconnection Volume	$ABDD_{iaNLKj}$	kWh	The half hour Demand Disconnection volume of a Metering System determined pursuant to paragraph 3.8 of Annex S-2.
Allocated Supplier's Demand Disconnection Volume	$ASDD_{HZaNLKj}$	kWh	The half hour Demand Disconnection volume of a SVA Metering System determined pursuant to paragraph 3.7 of Annex S-2.
BM Unit Allocated Demand Disconnection Volume	$BMUADDV_{ij}$	MWh	The disconnection volume per Settlement Period for a Supplier BM Unit determined pursuant to paragraph 9.6.1A of Annex S-2.
BM Unit's Demand Disconnection Volume	$BMDD_{iaNj}$	MWh	The half hourly Demand Disconnection volume, determined by a Half Hourly Data Aggregator pursuant to paragraph 3.8 of Annex S-2, or by the SVAA pursuant to paragraph 7.1 of Annex S-2.

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Expression	Acronym	Units	Definition
BM Unit's Demand Disconnection Volume (Losses)	$BMDDL_{iaNj}$	MWh	The line losses determined by a Half Hourly Data Aggregator as resulting from the BM Unit's Demand Disconnection Volume pursuant to paragraph 3.8 of Annex S-2, or by the SVAA pursuant to paragraph 7.2 of Annex S-2.
BM Unit Disconnection Matrix	$BMDM_{iaLPR}$		A matrix of data as determined pursuant to paragraph 8.2 of Annex S-2.
BM Unit's Profiled Disconnection	$BMPD_{iLPRj}$	MWh	A Supplier BM Unit's non half hourly Demand Disconnection volume profiled per Settlement Period for a particular Consumption Component Class, determined pursuant to paragraph 8.2 of Annex S-2.
Corrected Disconnection Component	$CORDC_{iNj}$	MWh	The Demand Disconnection volume for a Supplier BM Unit's Consumption Component Class after the application of the GSP Group Correction Factor, determined pursuant to paragraph 9.3 of Annex S-2.
Demand Disconnection Daily Profile Coefficient	$DDDPC_{HPKRT}$	Number	A value which, when applied to an Estimated Annual Consumption or Annualised Advance value, supplies an estimate of Demand Disconnection volume for a Settlement Day and which is equal to the sum of the corresponding Period Profile Class Coefficients for that Settlement Day multiplied by the proportion of each Settlement Period in that Settlement Day for which a given Metering System was subject to Demand Disconnection.
Demand Side Balancing Reserve Instruction Volume	$DSRVD_{ZaKj}$	MWh	The estimated volume of Demand Side Balancing Reserve delivered as determined and notified by the Transmission Company pursuant to Section S9.2.2.
Half Hourly Demand Disconnection Volume	HDD_{Kj}	kWh	S-2 3.7.2, derived from SMMC
Half Hourly Disconnection (Losses)	$DLOSS_{iNj}$	MWh	The half hourly Demand Disconnection volume for a Consumption Component Class which is defined as line losses, determined pursuant to paragraph 7.2 or 8.2 of Annex S-2.
Half Hourly Disconnection (Non Losses)	D_{iNj}	MWh	The half hourly Demand Disconnection volume for a Consumption Component Class which is defined as not being line losses, determined pursuant to paragraph 7.1 or 8.2 of Annex S-2.
Initial Total Annualised	$ITAAD_{HZLPR}$	kWh	The total of all the Annualised Advances for

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Expression	Acronym	Units	Definition
Advance (Disconnected)			a Supplier in kWh subject to Demand Disconnection and in respect of a Profile Class, Line Loss Factor Class, Time Pattern Regime and GSP Group, determined pursuant to paragraph 4.5 of Annex S-2.
Metering System Period Disconnection Duration	M_{Kj}	Hours	The duration in hours in a given Settlement Period for which a given Metering System was subject to Demand Disconnection.
Non-BM STOR Instruction Volume	$NBSVD_{ZaKj}$	MWh	The estimated volume of demand side Non-BM STOR delivered as determined and notified by the Transmission Company pursuant to Section S9.2.1.
Number Of Non Half Hourly Metered Metering Systems Requiring A Default Estimated Annual Consumption (Disconnected)	$NMMDED_{HZLPR}$	Number	The number of non half hourly Settlement Registers within metered SVA Metering Systems without either an Annualised Advance or an Estimated Annual Consumption and which therefore require a Default Estimated Annual Consumption to be determined which were subject to Demand Disconnection, the value of which is maintained pursuant to Annex S-2.
Number Of Non Half Hourly Metering Systems Contributing To The Total Annualised Advance (Disconnected)	$NMAD_{HZLPR}$	Number	The number of non half hourly Settlement Registers within SVA Metering Systems contributing to the calculation of Total Annualised Advance which were subject to Demand Disconnection, the value of which is maintained pursuant to paragraph 4.5 of Annex S-2.
Number Of Non Half Hourly Metering Systems Contributing To The Total Estimated Annual Consumption (Disconnected)	$NMMED_{HZLPR}$	Number	The number of non half hourly Settlement Registers within metered SVA Metering Systems contributing to the calculation of Total Estimated Annual Consumption which were subject to Demand Disconnection, the value of which is maintained pursuant to paragraph 4.5 of Annex S-2.
Number Of Non Half Hourly Unmetered Metering Systems Contributing To The Total Estimated Annual Consumption (Disconnected)	$NMUED_{HZLPR}$	Number	The number of non half hourly Settlement Registers within Unmetered Supplies contributing to Total Estimated Annual Consumption which were subject to Demand Disconnection, the value of which is maintained pursuant to paragraph 4.5 of Annex S-2.
Number Of Non Half Hourly Unmetered Metering Systems Requiring A Default Estimated Annual	$NMUDED_{HZLPR}$	Number	The number of non half hourly Settlement Registers within Unmetered Metering System without an Estimated Annual Consumption and which therefore require a Default Estimated Annual Consumption to

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Expression	Acronym	Units	Definition
Consumption (Disconnected)			be determined which were subject to Demand Disconnection, the value of which is maintained pursuant to paragraph 4.5 of Annex S-2.
Settlement Period Duration	SPD	Hours	0.5 hours.
Supplier's Demand Disconnection Volume	SDD_{HZaNj}	MWh	The half hourly Demand Disconnection volume, determined by a Half Hourly Data Aggregator pursuant to paragraph 3.7 of Annex S-2.
Supplier's Demand Disconnection Volume (Losses)	$SDDL_{HZaNj}$	MWh	The line losses determined by a Half Hourly Data Aggregator as resulting from the Supplier's Demand Disconnection Volume pursuant to paragraph 3.7 of Annex S-2.
Supplier Disconnection Matrix	SDM_{HZaLPR}		A matrix of data as determined pursuant to paragraph 4.5 of Annex S-2.
Total Annualised Advance (Disconnected)	$TAAD_{HZLPR}$	MWh	The total of all the Annualised Advances for a Supplier in MWh and in respect of a Profile Class, Line Loss Factor Class, Time Pattern Regime and GSP Group which were subject to Demand Disconnection, determined pursuant to paragraph 4.5 of Annex S-2.
Total Estimated Annual Consumption For Non Half Hourly Metered Metering Systems (Disconnected)	MED_{HZLPR}	kWh	The sum of Estimated Annual Consumption for non half hourly metered SVA Metering Systems which were subject to Demand Disconnection, determined pursuant to paragraph 4.5 of Annex S-2.
Total Metered Estimated Annual Consumption (Disconnected)	$TMEACD_{HZLPR}$	MWh	The total metered annual Consumption for a SVA Supplier subject to Demand Disconnection and in respect of a Profile Class, Line Loss Factor Class, Time Pattern Regime and GSP Group, determined pursuant to paragraph 4.5 of Annex S-2.
Total Number Of Metered Non Half Hourly Metering Systems Contributing To Total Metered Estimated Annual Consumption (Disconnected)	$TMEACCD_{HZLPR}$	Number	The number of metered non half hourly Settlement Registers within SVA Metering Systems contributing to the calculation of Total Metered Estimated Annual Consumption which were subject to Demand Disconnection, the value of which is maintained pursuant to paragraph 4.5 of Annex S-2.
Total Number Of Non Half Hourly Unmetered Metering Systems Contributing To Total	$TMUECD_{HZLPR}$	Number	The number of non half hourly Settlement Registers within Unmetered Supplies contributing to the calculation of Total Unmetered Consumption which were

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Expression	Acronym	Units	Definition
Unmetered Consumption (Disconnected)			subject to Demand Disconnection, the value of which is maintained pursuant to paragraph 4.5 of Annex S-2.
Total Unmetered Consumption (Disconnected)	$TUED_{HZLPR}$	MWh	The total unmetered annual Consumption for a SVA Supplier subject to Demand Disconnection and in respect of a Profile Class, Line Loss Factor Class, Time Pattern Regime and GSP Group, determined pursuant to paragraph 4.5 of Annex S-2.
Value Of Estimated Annual Consumption For Non Half Hourly Unmetered Metering Systems (Disconnected)	UED_{HZLPR}	kWh	The value of Estimated Annual Consumption for non half hourly Settlement Registers within Unmetered Supplies which were subject to Demand Disconnection, the value of which is maintained pursuant to paragraph 4.5 of Annex S-2.

Table X–7

List of Acronyms Applicable to Section S

Insert the following new acronyms into Table X-7 in alphabetical order as follows:

Acronym	Corresponding Defined Term or Expression
$ABDD_{iaNLKj}$	Allocated BM Unit's Demand Disconnection Volume
$ASDD_{HZaNLKj}$	Allocated Supplier's Demand Disconnection Volume
$BMDD_{iaNj}$	BM Unit's Demand Disconnection Volume
$BMDDL_{iaNj}$	BM Unit's Demand Disconnection Volume (Losses)
$BMDM_{iaLPR}$	BM Unit Disconnection Matrix
$BMPD_{iLPRj}$	BM Unit's Profiled Disconnection
$BMUADDV_{ij}$	BM Unit Allocated Demand Disconnection Volume
$CORDC_{iNj}$	Corrected Disconnection Component
D_{iNj}	Half Hourly Disconnection (Non Losses)
$DDDPC_{HPKRT}$	Demand Disconnection Daily Profile Coefficient
$DLOSS_{iNj}$	Half Hourly Disconnection (Losses)
$DSRVD_{ZaKj}$	Demand Side Balancing Reserve Instruction Volume
HDD_{Kj}	Half Hourly Demand Disconnection Volume

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Acronym	Corresponding Defined Term or Expression
$ITAAD_{HZLPR}$	Initial Total Annualised Advance (Disconnected)
M_{Kj}	Metering System Period Disconnection Duration
MED_{HZLPR}	Total Estimated Annual Consumption For Non Half Hourly Metered Metering Systems (Disconnected)
$NBSVD_{ZaKj}$	Non-BM STOR Instruction Volume
$NMAD_{HZLPR}$	Number Of Non Half Hourly Metering Systems Contributing To The Total Annualised Advance (Disconnected)
$NMMDED_{HZLPR}$	Number Of Non Half Hourly Metered Metering Systems Requiring A Default Estimated Annual Consumption (Disconnected)
$NMMED_{HZLPR}$	Number Of Non Half Hourly Metering Systems Contributing To The Total Estimated Annual Consumption (Disconnected)
$NMUDED_{HZLPR}$	Number Of Non Half Hourly Unmetered Metering Systems Requiring A Default Estimated Annual Consumption (Disconnected)
$NMUED_{HZLPR}$	Number Of Non Half Hourly Unmetered Metering Systems Contributing To The Total Estimated Annual Consumption (Disconnected)
SDD_{HZaNj}	Supplier's Demand Disconnection Volume
$SDDL_{HZaNj}$	Supplier's Demand Disconnection Volume (Losses)
SDM_{HZaLPR}	Supplier Disconnection Matrix
SPD	Settlement Period Duration
$TAAD_{HZLPR}$	Total Annualised Advance (Disconnected)
$TMEACCD_{HZLPR}$	Total Number Of Metered Non Half Hourly Metering Systems Contributing To Total Metered Estimated Annual Consumption (Disconnected)
$TMEACD_{HZLPR}$	Total Metered Estimated Annual Consumption (Disconnected)
$TMUECD_{HZLPR}$	Total Number Of Non Half Hourly Unmetered Metering Systems Contributing To Total Unmetered Consumption (Disconnected)
$TUED_{HZLPR}$	Total Unmetered Consumption (Disconnected)
UED_{HZLPR}	Value Of Estimated Annual Consumption For Non Half Hourly Unmetered Metering Systems (Disconnected)

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