

APPENDIX 1 LEGAL TEXT

MODIFICATION P211

PROPOSED SOLUTION

Section Q (Version 16.0)

Paragraph 1.1.1 shall be amended 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 ECVA in respect of Interconnector BM Units for each Settlement Period;
- (d) the submission of Maximum Export Limits and Maximum Import Limits in accordance with the Grid Code such as to enable Maximum Export Limit Data and Maximum Import Limit Data to be submitted by the Transmission Company and Period MELs and Period MILs to be established by the SAA in respect of BM Units for each Settlement Period;
- (de) 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;
- (ef) the submission by the Transmission Company of Acceptance Data for the purposes of Section T and Section V;
- (fg) the submission by the Transmission Company of Balancing Services Adjustment Data for the purposes of Settlement; and
- (gh) the submission by the Transmission Company to the BMRA of other operational data items for the purposes of Section V.

Paragraph 1.2.3(a) shall be amended as follows:

1.2.3 For the avoidance of doubt:

- (a) the Final Physical Notification Data, the Bid-Offer Data, the Maximum Export Limit Data, the Maximum Import Limit Data and the Acceptance Data submitted by the Transmission Company pursuant to this Section Q shall be converted into point values by the SAA and the BMRA in accordance with the provisions of Section T and Section V respectively; and

- (b) the Final Physical Notification Data submitted by the Transmission Company pursuant to this Section Q shall be converted into point values by the ECVA in accordance with the provisions of this section Q.

Paragraph 2.2 shall be amended as follows:

2.2 Maximum Export Limits and Maximum Import Limits

2.2.1 For each relevant BM Unit, the Lead Party shall ensure that the Maximum Export Limit and the Maximum Import Limit ~~(in each case, as defined in the Grid Code)~~ are submitted (or can be determined) in accordance with the Grid Code such as to enable Maximum Export Limit Data and Maximum Import Limit Data to be submitted by the Transmission Company to the extent required by and in accordance with the provisions of the Grid Code under this Section Q and Point MELs and Point MILs to be established by the SAA under Section T, consistent with the requirements of paragraph 2.2.4, for each Settlement Period and for each BM Unit.

2.2.2 In the Code references to a "submission" of the Maximum Export Limit or Maximum Import Limit in respect of a BM Unit include a determination of such limit by the Transmission Company as provided in paragraph 1.2.1(a).

2.2.3 For each Settlement Period, the Maximum Export Limit Data and Maximum Import Limit Data in respect of a relevant BM Unit shall be:

- (a) the data comprised in each submission of Maximum Export Limit or Maximum Import Limit prevailing at any time within the Settlement Period, so far as relating to the Settlement Period; and
- (b) the Notification Time and Notification Sequence Number in relation to each such submission.

2.2.4 The requirements referred to in paragraph 2.2.1 are:

- (a) Maximum Export Limit Data shall comprise one or more values, each of which shall comprise a MW 'from' level with an associated 'from' time and a MW 'to' level with an associated 'to' time;
- (b) Maximum Import Limit Data shall comprise one or more values, each of which shall comprise a MW 'from' level with an associated 'from' time and a MW 'to' level with an associated 'to' time;
- (c) in each case, the MW level shall be an amount representing a quantity of Active Power expressed in whole MW and for spot time 't' falling within the relevant Settlement Period, where 't' is a time expressed in a whole number of minutes;
- (d) Maximum Export Limit Data and Maximum Import Limit Data shall comply with the conventions established in Section X; and

2.2.2(e) in respect of Interconnector BM Units:

- (i) the MW level in ~~value of~~ Maximum Import Limit Data for the Production BM Unit shall be zero; and

~~(ii)~~ the ~~MW level in value of~~ Maximum Export Limit ~~Data~~ for the Consumption BM Unit shall be zero.

2.2.35 Without prejudice to paragraph 2.2.42(e), the Lead Party may change the Maximum Export Limit and/or the Maximum Import Limit for a relevant BM Unit at any time by notifying the Transmission Company in accordance with the Grid Code and any such change shall be effective from such time as provided in the Grid Code.

Paragraph 5.1.14 shall be deleted as follows:

~~5.1.14 The Transmission Company may classify an Acceptance which falls within paragraph 5.1.3(b) (other than one within paragraph 5.1.5) as an 'Excluded' Emergency Acceptance.~~

Paragraph 5.3.1 shall be amended 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(b) (other than one within paragraph 5.1.5) that the Acceptance was an Emergency Acceptance; and~~
- ~~(e) in the case of an Acceptance within paragraph 5.1.3(b) (other than one within paragraph 5.1.5) whether the Transmission Company has classified such Acceptance as an 'Excluded' Emergency Acceptance.~~

Paragraph 6.1.10 shall be amended as follows:

6.1.10 Not later than 15 minutes following Gate Closure for each Settlement Period, the Transmission Company shall send to the BMRA the following data, so far as relating to that Settlement Period, received by Gate Closure, for each BM Unit for which it has so received such data:

- (a) ~~the~~ Maximum Export Limit ~~data~~ Data or the ~~and~~ Maximum Import Limit ~~data~~ Data (including any change to such data) ~~submitted~~ in accordance with paragraph 2.2, and
- (b) any Quiescent Physical Notification data (including any change to such data) submitted in accordance with paragraph 2.3;

and where after Gate Closure the Transmission Company is notified of any change in any such data (so far as relating to such Settlement Period) the Transmission Company shall send to the BMRA such changed data, and the time of notification and the effective time of such change, not later than 5 minutes following receipt of notification of such change.

Paragraph 6.2 shall be amended as follows:

6.2 Submission of Balancing Mechanism data to the SAA

- 6.2.1 In respect of each Settlement Day, for each BM Unit for which such data is received or determined by the Transmission Company under this Section Q, the Transmission Company shall send to the SAA (so that such data has been sent by the time which is 15 minutes following the end of such Settlement Day) the following data:
- (a) the Final Physical Notification Data established pursuant to paragraph 3.2 in respect of each Settlement Period within such Settlement Day;
 - (b) changes to the Dynamic Data Set data received by the Transmission Company pursuant to the Grid Code to apply in respect of such Settlement Day and the notification time of each such receipt by the Transmission Company;
 - (c) changes to the ~~Maximum Export Limit and Maximum Import Limit data and~~ Quiescent Physical Notification data received by the Transmission Company to apply in respect of such the Settlement Day in accordance with paragraph 2.2 and 2.3 respectively;
 - (d) Bid-Offer Data in respect of each Settlement Period within such Settlement Day submitted or determined in accordance with paragraph 4; ~~and~~
 - (e) Acceptance Data, other than in relation to Acceptances which fall within paragraph 5.1.3(b); and
 - (f) the Maximum Export Limit Data and Maximum Import Limit Data established pursuant to paragraph 2.2 in respect of each Settlement Period within such Settlement Day.

Section T (Version 17.0)

Paragraph 1.3.2 shall be amended as follows:

- 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;
- ~~(f) Maximum Export Limit Data; and~~
- ~~(g) Maximum Import Limit Data.~~

Paragraph 1.7 shall be amended as follows:

1.7 Not Used. De Minimis Acceptance Threshold

- ~~1.7.1 For the purposes of the Code the "De Minimis Acceptance Threshold" (DMAT) shall be 1 MWh or such other amount (in MWh) as the Panel may from time to time determine, after consultation with, the Transmission Company and Trading Parties and subject to the approval of the Authority, as the de minimis level below which it would be appropriate to disregard accepted Bids and accepted Offers from the calculation of the energy imbalance prices.~~
- ~~1.7.2 Where a revised value for the De Minimis Acceptance Threshold is approved by the Authority:~~
 - ~~(a) such revised value shall be effective from such date as the Panel shall determine with the approval of the Authority, not being less than 20 Business Days after the date of the Panel's determination;~~
 - ~~(b) the Panel Secretary shall promptly give notice of the revised value and its effective date to each Party, the SAA and the BMRA and shall copy such notice to the Authority;~~

Paragraph 3.1.1 shall be amended as follows:

- 3.1.1 It is recognised that Final Physical Notification Data, Bid-Offer Pairs, Maximum Export Limit Data, Maximum Import Limit Data and Acceptance Data derived from data submitted or determined under the Grid Code (and received by the SAA from the Transmission Company) will contain values with associated from/to times whereas the equivalent data required for the purposes of this Section T are required to contain point values (as defined in Annex X-2).

Paragraph 3.1.2 shall be amended as follows:

- 3.1.2 Accordingly, the SAA shall convert such data received from the Transmission Company for the purposes of Settlement using the following conventions:
 - (a) in the case of Final Physical Notification Data:
 - (i) each value, comprising a MW 'from' level and associated 'from' time and a MW 'to' level and associated 'to' time, shall be allocated a Point Value Identification Number;

- (ii) the 'to' MW level and associated 'to' time shall be a Point FPN (${}^f\text{FPN}_{ijt}$) which is allocated a Point Value Identification Number of '1';
 - (iii) the 'from' MW level and associated 'from' time shall be a Point FPN (${}^f\text{FPN}_{ijt}$) which is allocated a Point Value Identification Number of '2'; and
 - (iv) the associated time of each Point FPN with a Point Value Identification Number of 2 shall be equal to the associated time of the Point FPN with a Point Value Identification Number of 1 of the immediately preceding pair of Point FPNs;
- (b) in the case of Bid-Offer Pairs:
- (i) each value, comprising a MW 'from' level and associated 'from' time and a MW 'to' level and associated 'to' time, shall be allocated a Point Value Identification Number;
 - (ii) the 'to' MW level and associated 'to' time shall be a Point Bid-Offer Volume (${}^f\text{qBO}^n_{ijt}$) which is allocated a Point Value Identification Number of '1';
 - (iii) the 'from' MW level and associated 'from' time shall be a Point Bid-Offer Volume (${}^f\text{qBO}^n_{ijt}$) which is allocated a Point Value Identification Number of '2'; and
 - (iv) the associated time of each Point Bid-Offer Volume with a Point Value Identification Number of 2 shall be equal to the associated time of the Point Bid-Offer Volume with a Point Value Identification Number of 1 of the immediately preceding pair of Point Bid-Offer Volumes;
- (c) in the case of Acceptance Data:
- (i) for each Acceptance Volume Pair, a Point Acceptance Volume (qA^k_{it}) shall be created where the MW level is set equal to the 'from' MW level of the Acceptance Volume Pair, the time t shall be set equal to the 'from' time of the Acceptance Volume Pair and the value of k shall be set equal to the Bid-Offer Acceptance Number of the Acceptance Volume Pair; and
 - (ii) for each Acceptance Volume Pair, a Point Acceptance Volume (qA^k_{it}) shall be created where the MW level is set equal to the 'to' MW level of the Acceptance Volume Pair, the time t shall be set equal to the 'to' time of the Acceptance Volume Pair and the value of k shall be set equal to the Bid-Offer Acceptance Number of the Acceptance Volume Pair;
- (d) in the case of Maximum Export Limit Data, in relation to each submission of Maximum Export Limit:
- (i) each value, comprising a MW 'from' level and associated 'from' time and a MW 'to' level and associated 'to' time, shall be allocated a Point Value Identification Number;

- (ii) the 'to' MW level and associated 'to' time shall be a Point MEL ($^f\text{MEL}_{\text{itr}}$) which is allocated a Point Value Identification Number of '1' and for which the value of r shall be set equal to the Notification Time and Notification Sequence Number of such submission;
 - (iii) the 'from' MW level and associated 'from' time shall be a Point MEL ($^f\text{MEL}_{\text{itr}}$) which is allocated a Point Value Identification Number of '2' and for which the value of r shall be set equal to the Notification Time and Notification Sequence Number of such submission; and
 - (iv) the associated time of each Point MEL with a Point Value Identification Number of 2 shall be equal to the associated time of the Point MEL with a Point Value Identification Number of 1 of the immediately preceding pair of Point MELs;
- (e) in the case of Maximum Import Limit Data, in relation to each submission of Maximum Import Limit:
- (i) each value, comprising a MW 'from' level and associated 'from' time and a MW 'to' level and associated 'to' time, shall be allocated a Point Value Identification Number;
 - (ii) the 'to' MW level and associated 'to' time shall be a Point MIL ($^f\text{MIL}_{\text{itr}}$) which is allocated a Point Value Identification Number of '1' and for which the value of r shall be set equal to the Notification Time and Notification Sequence Number of such submission;
 - (iii) the 'from' MW level and associated 'from' time shall be a Point MIL ($^f\text{MIL}_{\text{itr}}$) which is allocated a Point Value Identification Number of '2' and for which the value of r shall be set equal to the Notification Time and Notification Sequence Number of such submission; and
 - (iv) the associated time of each Point MIL with a Point Value Identification Number of 2 shall be equal to the associated time of the Point MIL with a Point Value Identification Number of 1 of the immediately preceding pair of Point MILs.

Paragraphs 3.1A and 3.1B shall be deleted as follows:

~~3.1A Continuous Acceptance Duration (CAD^k_i)~~

~~3.1A.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.~~

~~3.1A.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~~

~~(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.~~

~~3.1A.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.~~

3.1B Continuous Acceptance Duration Limit (CADL)

~~3.1B.1 For the purposes of the Code the "Continuous Acceptance Duration Limit" (CADL) shall be 15 minutes or such other amount (in minutes) determined by the Panel and approved by the Authority.~~

~~3.1B.2 The Panel may revise such amount from time to time subject to the approval of the Authority.~~

~~3.1B.3 In revising the amount of the Continuous Acceptance Duration Limit from time to time, the Panel shall consult with Parties and consider the views expressed in the course of such consultation prior to making its determination (and shall provide a detailed summary of such views to the Authority).~~

Paragraph 3.8A shall be deleted as follows:

~~3.8A Determination of Period Priced Accepted Offer Volume ($QAPO^{kn}_{ij}$) and Period Priced Accepted Bid Volume ($QAPB^{kn}_{ij}$)~~

~~3.8A.1 In respect of each Settlement Period and Acceptance k, for each BM Unit, the Period Priced Accepted Offer Volume and Period Priced Accepted Bid Volume shall be established as follows:~~

~~(a) if, there exists any Acceptance k' (including for the avoidance of doubt Acceptance k) relating to the BM Unit, for which $CAD^{k'}_i < CADL$, then no values of the Period Priced Accepted Offer Volume and Period Priced Accepted Bid Volume will be determined in relation to Acceptance k in any Settlement Period:~~

~~(i) from and including the Settlement Period in which the earliest Point Acceptance Volume associated with Acceptance k' falls, and~~

~~(ii) to and including the Settlement Period in which the latest Point Acceptance Volume associated with Acceptance k' falls.~~

~~(b) if Acceptance k is an Excluded Emergency Acceptance, then no values of the Period Priced Accepted Offer Volume and Period Priced Accepted Bid Volume will be determined in relation to Acceptance k in any Settlement Period;~~

~~(c) in any case other than one within paragraph (a) or (b), the Period Priced Accepted Offer Volume and Period Priced Accepted Bid Volume will be determined as follows:~~

~~(i) $QAPO^{kn}_{ij} = QAO^{kn}_{ij}$; and~~

~~(ii) $QAPB^{kn}_{ij} = QAB^{kn}_{ij}$;~~

Paragraph 3.9A shall be deleted as follows:

~~3.9A Determination of Period BM Unit Total Priced Accepted Offer Volume ($QAPO^n_{ij}$) and Period BM Unit Total Priced Accepted Bid Volume ($QAPB^n_{ij}$)~~

~~3.9A.1 In respect of each Settlement Period, for each BM Unit, the Period BM Unit Total Priced Accepted Offer Volume shall be established as follows:~~

$$~~QAPO^n_{ij} = \sum^k QAPO^{kn}_{ij}~~$$

~~where \sum^k represents the sum over all Acceptances within the Settlement Period.~~

~~3.9A.2 In respect of each Settlement Period, for each BM Unit, the Period BM Unit Total Priced Accepted Bid Volume shall be established as follows:~~

$$~~QAPB^n_{ij} = \sum^k QAPB^{kn}_{ij}~~$$

~~where \sum^k represents the sum over all Acceptances within the Settlement Period.~~

New paragraphs 4.3A, 4.3B and 4.3C shall be inserted after paragraph 4.3.8 (and immediately prior to paragraph 4.4) as follows:

4.3A Determination of the Period MEL (MEL_{ij})

4.3A.1 In respect of each Settlement Period j , BM Unit i and submission of Maximum Export Limit, the value of MEL Submission ($MEL_{ij}^r(t)$) shall be established for all spot times t for which data was submitted by linear interpolation of Point Maximum Export Limit values ${}^fMEL_{itr}$ included in such submission.

4.3A.2 In respect of each Settlement Period j , for each BM Unit i , the value of Adopted MEL ($MEL_{ij}(t)$) for spot times falling within the Settlement Period shall be equal to the value of $MEL_{ij}^r(t)$ for the MEL Submission having the latest Notification Time and Notification Sequence Number r for which data was submitted for spot time t .

4.3A.3 In respect of each Settlement Period, for each BM Unit, the Period MEL (MEL_{ij}) shall be calculated by integrating the value of $MEL_{ij}(t)$ over all spot times falling within the Settlement Period in question.

4.3B Determination of the Period MIL (MIL_{ij})

4.3B.1 In respect of each Settlement Period j , BM Unit i and submission of Maximum Import Limit, the value of MIL Submission ($MIL_{ij}^r(t)$) shall be established for all spot times t for which data was submitted by linear interpolation of Point Maximum Import Limit values ${}^fMIL_{itr}$ included in such submission.

4.3B.2 In respect of each Settlement Period j , for each BM Unit i , the value of Adopted MIL ($MIL_{ij}(t)$) for spot times falling within the Settlement Period shall be equal to the value of $MIL_{ij}^r(t)$ for the MIL Submission having the latest Notification Time and Notification Sequence Number r for which data was submitted for spot time t .

4.3B.3 In respect of each Settlement Period, for each BM Unit, the Period MIL (MIL_{ij}) shall be calculated by integrating the value of $MIL_{ij}(t)$ over all spot times falling within the Settlement Period in question.

4.3C Determination of Deemed Available Volumes ($DAOV_{ij}^n$, $DABV_{ij}^n$)

4.3C.1 In respect of each Settlement Period, for each BM Unit and for each Submitted Bid-Offer Pair the Period Bid-Offer Volume (QBO_{ij}^n) shall be calculated by integrating the value of $qBO_{ij}^n(t)$ over all spot times falling within the Settlement Period in question.

4.3C.2 In respect of each Settlement Period, for each BM Unit and for each Submitted Bid-Offer Pair for which the associated Bid-Offer Pair Number n is greater than zero (if any), subject to paragraph 4.3C.3, the Deemed Available Offer Volume ($DAOV_{ij}^n$) shall be determined as follows:

(a) if the Bid-Offer Pair Number n is equal to 1,

then

$$\underline{DAOV_{ij}^n = \min \{ QBO_{ij}^n, \max (MEL_{ij} - FPN_{ij}, 0) \}}$$

(b) if the Bid-Offer Pair Number n is greater than 1,

then

$$\text{DAOV}_{ij}^n = \min \{ \text{QBO}_{ij}^n, \max (\text{MEL}_{ij} - \text{FPN}_{ij} - \sum^{n'+} \text{DAOV}_{ij}^{n'}, 0) \}$$

where $\sum^{n'+}$ represents the sum over the range of positive Bid-Offer Pair Numbers n' from 1 to (n-1) of Submitted Bid-Offer Pairs.

4.3C.3 For the purpose of avoiding unnecessary calculation by the SAA, it is acknowledged that the SAA shall not be required to calculate a value of DAOV_{ij}^n for a BM Unit i and Bid-Offer Pair Number n if the total volume of lower-priced Non-arbitrage Deemed Available Offer Volumes for that Settlement Period exceeds the Net Imbalance Volume NIV_{ij} .

4.3C.4 In respect of each Settlement Period, for each BM Unit, for each Submitted Bid-Offer Pair for which the associated Bid-Offer Pair Number n is less than zero (if any), subject to paragraph 4.3C.5, the Deemed Available Bid Volume (DABV_{ij}^n) shall be determined as follows:

(a) if the Bid-Offer Pair Number n is equal to -1,

then

$$\text{DABV}_{ij}^n = \max \{ \text{QBO}_{ij}^n, \min (\text{MIL}_{ij} - \text{FPN}_{ij}, 0) \}$$

(b) if the Bid-Offer Pair Number n is less than -1,

then

$$\text{DABV}_{ij}^n = \max \{ \text{QBO}_{ij}^n, \min (\text{MIL}_{ij} - \text{FPN}_{ij} - \sum^{n'-} \text{DABV}_{ij}^{n'}, 0) \}$$

where $\sum^{n'-}$ represents the sum over the range of negative Bid-Offer Pair Numbers n' from -1 to (n+1) of submitted Bid-Offer Pairs.

4.3C.5 For the purpose of avoiding unnecessary calculation by the SAA, it is acknowledged that the SAA shall not be required to calculate a value of DABV_{ij}^n for a BM Unit i and Bid-Offer Pair Number n if the total volume of higher-priced Non-arbitrage Deemed Available Bid Volumes for that Settlement Period exceeds the Net Imbalance Volume NIV_{ij} .

Paragraphs 4.4.2A, 4.4.2B and 4.4.2C shall be deleted as follows:

~~4.4.2A In respect of each Settlement Period, some of the accepted Bids and accepted Offers may be defined as De Minimis Accepted Bids and De Minimis Accepted Offers respectively in accordance with the provisions in Annex T-1, and all such De Minimis Accepted Bids and De Minimis Accepted Offers shall be disregarded for the purposes of the calculation of energy imbalance prices.~~

~~4.4.2B In respect of each Settlement Period, the System Total Un-Priced Accepted Offer Volume will be determined as follows:~~

~~$$\text{TQUAO}_j = \sum_i \sum^n \text{QAO}_{ij}^n - \sum_i \sum^n \text{QAPO}_{ij}^n$$~~

~~where \sum_i represents the sum over all BM Units and \sum^n represents the sum over all Bid-Offer Pair Numbers for the BM Unit.~~

~~4.4.2C In respect of each Settlement Period, the System Total Un-Priced Accepted Bid Volume will be determined as follows:~~

$$\text{TQUAB}_j = \sum_i \sum^n \text{QAB}_{ij} - \sum_i \sum^n \text{QAPB}_{ij}$$

~~where \sum_i represents the sum over all BM Units and \sum^n represents the sum over all Bid Offer Pair Numbers for the BM Unit.~~

Paragraphs 4.4.3, 4.4.4 and 4.4.4A shall be amended as follows:

4.4.3 In respect of each Settlement Period, some of the Deemed Available Bid Volumes~~Accepted Bids~~ and Accepted Offers~~Deemed Available Offer Volumes~~ may be defined as Arbitrage Deemed Available Bid Volume~~Accepted Bids~~ and Arbitrage Deemed Available Offer Volume~~Accepted Offers~~ respectively in accordance with the provisions in Annex T-1, and all such Arbitrage Deemed Available Bid Volume~~Accepted Bids~~ and Arbitrage Deemed Available Offer Volume~~Accepted Offers~~ shall be disregarded for the purposes of the calculation of energy imbalance prices.

4.4.4 In respect of each Settlement Period:

- (a) some or all of the Deemed Available Bid Volumes~~Accepted Bids~~ and Deemed Available Offer Volumes~~Accepted Offers~~ may be defined as NIV Tagged Deemed Available Bid Volumes~~Bids~~ and NIV Tagged Deemed Available Offer Volumes~~Offers~~ respectively in accordance with the provisions in Annex T-1; and
- (b) some or all of the Buy Price Volume Adjustment (Energy) (EBVA) and Sell Price Volume Adjustment (Energy) (ESVA) may be defined as NIV Tagged EBVA and NIV Tagged ESVA respectively in accordance with the provisions in Annex T-1;
- ~~(c) some or all of the Buy Price Volume Adjustment (System) (SBVA) and Sell Price Volume Adjustment (System) (SSVA) may be defined as NIV Tagged SBVA and NIV Tagged SSVA respectively in accordance with the provisions in Annex T-1;~~
- ~~(d) some or all of the System Total Un-priced Bid Volume and System Total Un-priced Offer Volume may be defined as NIV Tagged System Total Un-priced Bid Volume and NIV Tagged System Total Un-priced Offer Volume respectively in accordance with the provisions in Annex T-1.~~

4.4.4A In respect of each Settlement Period, the Net Imbalance Volume will be determined as follows:

$$\text{NIV}_j = \{(\sum_i \sum^n \text{QAPB}_{ij} + \text{EBVA}_j + \text{SBVA}_j - \text{TQUAO}_j) - \{\sum_i \sum^n (-\text{QAPB}_{ij}) + (-\text{ESVA}_j) + (-\text{SSVA}_j) + (-\text{TQUAB}_j)\}$$

where \sum_i is the sum over all BM Units and \sum^n is either the sum over all Accepted Offers ~~that are not De Minimis Accepted Offers and not Arbitrage Accepted Offers~~, or the sum over all Accepted Bids ~~that are not De Minimis Accepted Bids and not Arbitrage Accepted Bids~~, as the case may be.

Paragraphs 4.4.4C, 4.4.5, 4.4.6, 4.4.6A, 4.4.7, 4.4.8, 4.4.9 and 4.4.10 shall be amended as follows:

4.4.4C In respect of each Settlement Period:

- (a) some or all of the ~~Deemed Available Bid Volumes~~~~accepted Bids~~ and ~~Deemed Available Offer Volumes~~~~accepted Offers~~ which are not NIV Tagged ~~Deemed Available Bid Volumes~~~~Bids~~ and NIV Tagged ~~Deemed Available Offer Volumes~~~~Offers~~ respectively may be defined as PAR Tagged ~~Deemed Available Bid Volumes~~~~Bids~~ and PAR Tagged ~~Deemed Available Offer Volumes~~~~Offers~~ respectively in accordance with the provisions in Annex T-1;
- (b) some or all of the NIV-Untagged Buy Price Volume Adjustment (Energy) (NUEBVA) and NIV-Untagged Sell Price Volume Adjustment (Energy) (NUESVA) may be defined as PAR Tagged EBVA and PAR Tagged ESVA respectively in accordance with the provisions in Annex T-1.

4.4.5 In respect of each Settlement Period:

- (a) if the Net Imbalance Volume is not equal to zero, and is a positive number, and $\{\sum_i \sum^n \{\text{DAOVQAPQ}^{n_{ij}} * \text{TLM}_{ij}\} + \text{UEBVA}_j\}$ is not equal to zero, then the System Buy Price will be determined as follows:

$$\text{SBP}_j = \{\{\sum_i \sum^n \{\text{DAOVQAPQ}^{n_{ij}} * \text{PO}^{n_{ij}} * \text{TLM}_{ij}\} + \text{UEBCA}_j\} / \{\sum_i \sum^n \{\text{DAOVQAPQ}^{n_{ij}} * \text{TLM}_{ij}\} + \text{UEBVA}_j\}\} + \{\text{BPA}_j\}$$

where \sum_i represents the sum over all BM Units and \sum^n represents the sum over those ~~Deemed Available Offer Volumes~~~~accepted Offers~~ that are not ~~De Minimis Accepted Offers and not~~ Arbitrage ~~Accepted Deemed Available Offer Volumes~~~~Offers~~ and not NIV Tagged ~~Deemed Available Offer Volumes~~~~Offers~~ and not PAR Tagged ~~Deemed Available Offer Volumes~~~~Offers~~;

- (b) if the Net Imbalance Volume is equal to zero, or is a negative number, and / or $\{\sum_i \sum^n \{\text{DAOVQAPQ}^{n_{ij}} * \text{TLM}_{ij}\} + \text{UEBVA}_j\}$ is equal to zero, then the System Buy Price will (subject to paragraph 4.4.6A) be determined as follows:

$$\text{SBP}_j = \sum_s \{\text{PXP}_{sj} * \text{QXP}_{sj}\} / \sum_s \{\text{QXP}_{sj}\}$$

where \sum_s represents the sum over all Market Index Data Providers;

provided that, if the Net Imbalance Volume is a negative number and SSP_j as determined in accordance with paragraph 4.4.6(a) would exceed SBP_j as determined in this paragraph (b), then SBP_j shall instead be equal to SSP_j as determined in accordance with paragraph 4.4.6(a).

4.4.6 In respect of each Settlement Period:

- (a) if the Net Imbalance Volume is not equal to zero, and is a negative number, and $\{\sum_i \sum^n \{\text{DABVQAPB}^{n_{ij}} * \text{TLM}_{ij}\} + \text{UESVA}_j\}$ is not equal to zero, then the System Sell Price will be determined as follows:

$$\text{SSP}_j = \{\{\sum_i \sum^n \{\text{DABVQAPB}^{n_{ij}} * \text{PB}^{n_{ij}} * \text{TLM}_{ij}\} + \text{UESCA}_j\} / \{\sum_i \sum^n \{\text{DABVQAPB}^{n_{ij}} * \text{TLM}_{ij}\} + \text{UESVA}_j\}\} + \{\text{SPA}_j\}$$

where \sum_i represents the sum over all BM Units and \sum^n represents the sum over those ~~Deemed Available Bid Volumes~~~~accepted Bids~~ that are not ~~De Minimis Accepted Bids and not~~ Arbitrage ~~Accepted Deemed Available Bid Volumes~~~~Bids~~ and not NIV Tagged ~~Deemed Available Bid Volumes~~~~Bids~~ and not PAR Tagged ~~Deemed Available Bid Volumes~~~~Bids~~;

- (b) if the Net Imbalance Volume is equal to zero, or is a positive number, and / or $\{\sum_i \sum^n \{ \text{DABVQAPB}_{ij}^n * \text{TLM}_{ij} \} + \text{UESVA}_j\}$ is equal to zero, then the System Sell Price will (subject to paragraph 4.4.6A) be determined as follows:

$$\text{SSP}_j = \sum_s \{ \text{PXP}_{sj} * \text{QXP}_{sj} \} / \sum_s \{ \text{QXP}_{sj} \}$$

where \sum_s represents the sum over all Market Index Data Providers;

provided that, if the Net Imbalance Volume is a positive number and SSP_j as so determined would exceed SBP_j as determined in accordance with paragraph 4.4.5(a), then SSP_j shall instead be equal to SBP_j as determined in accordance with paragraph 4.4.5(a).

- 4.4.6A Without prejudice to paragraph 1.5A.4(b) and 1.5A.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:

$$\sum_s \text{QXP}_{sj} = 0$$

where \sum_s represents the sum over all Market Index Data Providers,

then (notwithstanding paragraphs 4.4.5(b) and 4.4.6(b)):

- (a) if the Net Imbalance Volume is a positive number, and $\{\sum_i \sum^n \{ \text{DAOVQAPO}_{ij}^n * \text{TLM}_{ij} \} + \text{UEBVA}_j\}$ is not equal to zero, SSP_j shall be equal to SBP_j as determined in accordance with paragraph 4.4.5(a);
- (b) if the Net Imbalance Volume is a positive number, and $\{\sum_i \sum^n \{ \text{DAOVQAPO}_{ij}^n * \text{TLM}_{ij} \} + \text{UEBVA}_j\}$ is equal to zero, each SBP_j and SSP_j shall be zero;
- (c) if the Net Imbalance Volume is a negative number, and $\{\sum_i \sum^n \{ \text{DABVQAPB}_{ij}^n * \text{TLM}_{ij} \} + \text{UESVA}_j\}$ is not equal to zero, SBP_j shall be equal to SSP_j as determined in accordance with paragraph 4.4.6(a);
- (d) if the Net Imbalance Volume is a negative number, and $\{\sum_i \sum^n \{ \text{DABVQAPB}_{ij}^n * \text{TLM}_{ij} \} + \text{UESVA}_j\}$ is equal to zero, each 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.

- ~~4.4.7 In respect of each Settlement Period, the Total Accepted Priced Offer Volume will be determined as follows:~~

~~$$\text{TQPAO}_j = \sum_i \sum^n \text{QAPO}_{ij}^n$$~~

~~where \sum_i represents the sum over all BM Units and \sum^n represents the sum over those accepted Offers that are not De Minimis Accepted Offers and not Arbitrage Accepted Offers and not NIV Tagged Offers.~~

- ~~4.4.8 In respect of each Settlement Period, the Total Accepted Priced Bid Volume will be determined as follows:~~

~~$$\text{TQPAB}_j = \sum_i \sum^n \text{QAPB}_{ij}^n$$~~

~~where \sum_i represents the sum over all BM Units and \sum^n represents the sum over those accepted Bids that are not De Minimis Accepted Bids and not Arbitrage Accepted Bids and not NIV Tagged Bids.~~

~~4.4.9 In respect of each Settlement Period, the Total Arbitrage Volume will be determined as follows:~~

$$\text{TAQ}_j = \Sigma_i (\Sigma^{n^1} \text{QAPB}_{ij}^{n^1} - \Sigma^{n^2} \text{QAPO}_{ij}^{n^2}) / 2$$

~~where Σ_i represents the sum over all BM Units and Σ^{n^1} represents the sum over those accepted Bids that are Arbitrage Accepted Bids and Σ^{n^2} represents the sum over those accepted Offers that are Arbitrage Accepted Offers.~~

~~4.4.10 In respect of each Settlement Period, the Total NIV Tagged Volume will be determined as follows:~~

$$\text{TCQ}_j = \{ \{ (\Sigma_i \Sigma^{n^1} \text{QAPB}_{ij}^{n^1}) + \text{TTQUAB}_j + \text{NTESVA}_j + \text{TSSVA}_j \} - \{ (\Sigma_i \Sigma^{n^2} \text{QAPO}_{ij}^{n^2}) + \text{TTQUAO}_j + \text{NTEBVA}_j + \text{TSBVA}_j \} \} / 2$$

~~where Σ_i represents the sum over all BM Units and Σ^{n^1} represents the sum over those accepted Bids which are NIV Tagged Bids and Σ^{n^2} represents the sum over those accepted Offers which are NIV Tagged Offers.~~

Annex T-1 (Version 17.0) *shall be amended as follows:*

ANNEX T-1: CALCULATIONS

1. Not used. Interpretation

~~1.1 For the purposes of this Annex T-1, and paragraph 4.4, in relation to a BM Unit and Settlement Period, an "accepted Offer" means the Period BM Unit Total Priced Accepted Offer Volume ($\text{QAPO}_{ij}^{n^1}$), and an "accepted Bid" means the Period BM Unit Total Priced Accepted Bid Volume ($\text{QAPB}_{ij}^{n^1}$) but excluding Offers and Bids where the value of Period BM Unit Total Priced Accepted Offer Volume or Period BM Unit Total Priced Accepted Bid Volume (as the case may be) is zero.~~

~~1.2 For the purposes of any other provision of the Code, in relation to a BM Unit and Settlement Period, an "accepted Offer" means the Period BM Unit Total Accepted Offer Volume ($\text{QAO}_{ij}^{n^1}$), and an "accepted Bid" means the Period BM Unit Total Accepted Bid Volume ($\text{QAB}_{ij}^{n^1}$) but excluding Offers and Bids where the value of Period BM Unit Total Accepted Offer Volume or Period BM Unit Total Accepted Bid Volume (as the case may be) is zero.~~

1A De Minimis Volumes

~~1A.1 In respect of each Settlement Period, De Minimis Accepted Offers and De Minimis Accepted Bids will be defined in the following way.~~

~~(a) All accepted Bids for which $|\text{QAPB}_{ij}^{n^1}| < \text{DMAT}_d$ shall be tagged as De Minimis Accepted Bids.~~

~~(b) All accepted Offers for which $\text{QAPO}_{ij}^{n^1} < \text{DMAT}_d$ shall be tagged as De Minimis Accepted Offers.~~

~~1A.2 All accepted Bids and accepted Offers which are not De Minimis Accepted Bids and De Minimis Accepted Offers will be defined as Non De Minimis Bids and Non De Minimis Offers respectively.~~

2. Arbitrage

2.1 In respect of each Settlement Period, Arbitrage ~~Accepted Offers~~ Deemed Available Offer Volumes and Arbitrage ~~Accepted Bids~~ Deemed Available Bid Volumes shall ~~will~~ be defined in the following way.

2.2 If, for the highest priced ~~accepted non-De Minimis Bid~~ Deemed Available Bid Volume, $QAPB_{ij}^g - DABV_{ij}^g$ (if any) which is not an Arbitrage ~~Accepted~~ Deemed Available Bid Volume, there exists any ~~accepted non-De Minimis Offer~~ Deemed Available Offer Volume which is not an Arbitrage ~~Accepted~~ Deemed Available Offer Volume $QAPO_{ij}^n - DAOV_{ij}^n$ for which it is true that $PO_{ij}^n \leq PB_{ij}^g$, then the following procedure will be carried out:

(a) All ~~accepted Non-De Minimis Offers~~ Deemed Available Offer Volumes for which $PO_{ij}^n \leq PB_{ij}^g$ will be ranked in price order, cheapest first.

(b) The set of ~~accepted Non-De Minimis Offers~~ Deemed Available Offer Volumes $\{QAPO_{ij}^{n_1}, QAPO_{ij}^{n_2}, \dots, QAPO_{ij}^{n_w}\}$ $\{DAOV_{ij}^{n_1}, DAOV_{ij}^{n_2}, \dots, DAOV_{ij}^{n_w}\}$ is then a ranked set of ~~accepted Offers~~ Deemed Available Offer Volumes for all of which it is true that $PO_{ij}^{n_v} \leq PB_{ij}^g$.

(c) Then for all v such that:

$$\sum^v QAPO_{ij}^{n_v} \leq QAPB_{ij}^g$$

$$\sum^v DAOV_{ij}^{n_v} \leq -DABV_{ij}^g$$

where \sum^v is the sum over all ranked ~~accepted Non-De Minimis Offers~~ Deemed Available Offer Volumes up to v,

the $QAPO_{ij}^{n_v} - DAOV_{ij}^{n_v}$ will be defined as Arbitrage ~~Accepted Offers~~ Deemed Available Offer Volumes and the fraction ϕ of $QAPB_{ij}^g - DABV_{ij}^g$ which is equal to $\sum^v (QAPO_{ij}^{n_v}) - \sum^v (-DAOV_{ij}^{n_v})$ will be defined as an Arbitrage ~~Accepted Bid~~ Deemed Available Bid Volume (this fraction may be one (1)).

(d) If:

$$\sum^v QAPO_{ij}^{n_v} < QAPB_{ij}^g$$

$$\sum^v DAOV_{ij}^{n_v} < -DABV_{ij}^g$$

where \sum^v is the sum over all ranked ~~accepted Non-De Minimis Offers~~ Deemed Available Offer Volumes up to v,

then, if a ranked ~~accepted Non-De Minimis Offer~~ Deemed Available Offer Volume, v+1 exists, the fraction γ of $QAPO_{ij}^{n_{v+1}} - DAOV_{ij}^{n_{v+1}}$ which satisfies

$$\sum^v QAPO_{ij}^{n_v} + \gamma * QAPO_{ij}^{n_{v+1}} = QAPB_{ij}^g$$

$$\sum^v DAOV_{ij}^{n_v} + \gamma * DAOV_{ij}^{n_{v+1}} = -DABV_{ij}^g$$

will also be defined as an Arbitrage ~~Accepted Offer~~Deemed Available Offer Volume and ~~$QAPB_{ij}^g$~~ $DABV_{ij}^g$ will be defined as an Arbitrage ~~Accepted Bid~~Deemed Available Bid Volume. All ~~accepted Bids~~Deemed Available Bid Volumes and ~~accepted Offers~~Deemed Available Offer Volumes which are not Arbitrage ~~Accepted Bids~~Deemed Available Bid Volumes and Arbitrage ~~Accepted Offers~~Deemed Available Offer Volumes will be defined as Non-arbitrage ~~Bids~~Deemed Available Bid Volumes and Non-arbitrage ~~Offers~~Deemed Available Offer Volumes respectively.

2.3 The process in paragraphs 2.1 and 2.2 will then be repeated for the highest priced ~~accepted Non-De-Minimis Bid~~Deemed Available Bid Volume (if any) that remains a Non-arbitrage ~~Bid~~Deemed Available Bid Volume.

2.4 If, for the purposes of carrying out the procedure in paragraphs 2.1 and 2.2:

- (a) there are two or more ~~accepted Non-De-Minimis Bids~~Deemed Available Bid Volumes that are Non-arbitrage ~~Bids~~Deemed Available Bid Volumes, that have the same highest Bid Price;⁵ or
- (b) there are two or more ranked ~~accepted Non-De-Minimis Offers~~Deemed Available Offer Volumes that have the same Offer Price;⁶

then one of the ~~accepted Bids~~Deemed Available Bid Volumes or (as the case may be) ranked ~~accepted Offers~~Deemed Available Offer Volumes will be selected at random.

2.5 If the completed application of paragraphs 2.1 to 2.4 inclusive (the 'initial calculation') would result in there being any ~~accepted Non-De-Minimis Bid~~Deemed Available Bid Volume or ranked ~~accepted Non-De-Minimis Offer~~Deemed Available Offer Volume which:

- (1) is not an Arbitrage ~~Accepted Bid~~Deemed Available Bid Volume or (as the case may be) Arbitrage ~~Accepted Offer~~Deemed Available Offer Volume, but
- (2) has the same price (other than merely by virtue of being a fraction $(1 - \gamma)$ or $(1 - \phi)$ pursuant to the initial calculation) as ~~an accepted Non-De-Minimis Bid~~Deemed Available Bid Volume which is an Arbitrage ~~Accepted Bid~~Deemed Available Bid Volume or (as the case may be) ranked ~~accepted Non-De-Minimis Offer~~Deemed Available Offer Volume which is an Arbitrage ~~Accepted Offer~~Deemed Available Offer Volume,

then:

- (i) all such ~~accepted Non-De-Minimis Bids~~Deemed Available Bid Volumes ~~$QAPB_{ij}^{n_r}$~~ $DABV_{ij}^{n_r}$ or ranked ~~accepted Non-De-Minimis Offers~~Deemed Available Offer Volumes ~~$QAPO_{ij}^{n_r}$~~ $DAOV_{ij}^{n_r}$ (whether or not Arbitrage ~~Accepted Bids~~Deemed Available Bid Volumes or Arbitrage ~~Accepted Offers~~Deemed Available Offer Volumes on the basis of the initial calculation) which have the same price are "**threshold Bids**Deemed Available Bid Volumes" or "**threshold Offers**Deemed Available Offer Volumes";
- (ii) no threshold ~~Bid~~Deemed Available Bid Volume or threshold ~~Offer~~Deemed Available Offer Volume shall be defined as an Arbitrage ~~Accepted Bid~~Deemed Available Bid Volume or Arbitrage ~~Accepted Offer~~Deemed Available Offer Volume pursuant to the relevant provision, but instead the fraction δ of each

threshold ~~Bids~~ Deemed Available Bid Volume $\frac{QAPB^{n_r}_{ij}}{DABV^{n_r}_{ij}}$ or threshold Deemed Available Offer Volume $\frac{QAPO^{n_r}_{ij}}{DAOV^{n_r}_{ij}}$ which satisfies the following shall be defined as an Arbitrage ~~Accepted Bids~~ Deemed Available Bid Volume or (as the case may be) Arbitrage ~~Accepted Offers~~ Deemed Available Offer Volume:

$$\frac{\delta * \sum^{n_r} QAPB^{n_r}_{ij} = \sum^{n_{r'}} QAPB^{n_{r'}}_{ij}}{\delta * \sum^{n_r} DABV^{n_r}_{ij} = \sum^{n_{r'}} DABV^{n_{r'}}_{ij}}$$

or (as the case may be)

$$\frac{\delta * \sum^{n_r} QAPO^{n_r}_{ij} = \sum^{n_{r'}} QAPO^{n_{r'}}_{ij}}{\delta * \sum^{n_r} DAOV^{n_r}_{ij} = \sum^{n_{r'}} DAOV^{n_{r'}}_{ij}}$$

where

\sum^{n_r} is the sum over all threshold ~~Bids~~ Deemed Available Bid Volumes or (as the case may be) threshold ~~Offers~~ Deemed Available Offer Volumes, and

$\sum^{n_{r'}}$ is the sum over all threshold ~~Bids~~ Deemed Available Bid Volumes or (as the case may be) threshold ~~Offers~~ Deemed Available Offer Volumes (including a fraction γ or ϕ) which, on the basis of the initial calculation would have been defined as Arbitrage ~~Accepted Bids~~ Deemed Available Bid Volumes or Arbitrage ~~Accepted Offers~~ Deemed Available Offer Volumes.

3 NIV Tagging

3.1 In respect of each Settlement Period, NIV Tagged ~~Offers~~ Deemed Available Offer Volumes, NIV Tagged ~~Bids~~ Deemed Available Bid Volumes, NIV Tagged EBVA, ~~NIV Tagged SBVA and~~, NIV Tagged ESVA, ~~NIV Tagged SSVA, NIV Tagged System Total Un-priced Offer Volume and NIV Tagged System Total Un-priced Bid Volume~~ shall will be defined in the following way:

~~(a)~~ If:

$$\{(\sum^{n^*} (-QAPB^{n^*}_{ij})) + (-ESVA_j) + (-SSVA_j) + (-TQUAB_j)\} = 0$$

where \sum^{n^*} is the sum over those accepted Bids that are both Non-De Minimis Bids and Non-arbitrage Bids; or

$$\{(\sum^{n^*} (-QAPO^{n^*}_{ij})) + EBVA_j + SBVA_j + TQUAO_j\} = 0$$

where \sum^{n^*} is the sum over those accepted Offers that are both Non-De Minimis Offers and Non-arbitrage Offers:

~~then no Bids or Offers or ESVA volume or SSVA volume or EBVA volume or SBVA volume or System Total Un-priced Offer Volume or System Total Un-priced Bid Volume will be NIV Tagged.~~

- (ba) ~~Otherwise, the following procedure will be carried out.~~ The set of all ~~accepted Bids~~ Deemed Available Bid Volumes, which are ~~neither not De Minimis Bids nor Arbitrage Accepted Bids~~ Deemed Available Bid Volumes, will be ranked in price order, cheapest first (where the cheapest is allocated a n' value of 1, the next cheapest a n' value of 2 and so on). In any case where such Bids-Deemed Available Bid Volumes have the same price as each other, the ordering of such Bids-Deemed Available Bid Volumes will be random, subject to paragraph (gh). The set of ~~Non-De Minimis and Non-arbitrage Bids-Deemed Available Bid Volumes~~ $\{QAPB^{n'_1}_{ij}, QAPB^{n'_2}_{ij}, \dots, QAPB^{n'_{w'}}_{ij}\}$ $\{DABV^{n'_1}_{ij}, DABV^{n'_2}_{ij}, \dots, DABV^{n'_{w'}}_{ij}\}$ is then a set of "**Ranked Priced Bids-Deemed Available Bid Volumes**".

The Sell Price Volume Adjustment (Energy) (ESVA_i) will be added into the set of Ranked Priced Bids-Deemed Available Bid Volumes according to the Sell Price Cost Adjustment (Energy) (ESCA_i) (converted to a price in £/MWh, i.e. ESCA_i / ESVA_i). The volume will, for the purposes of the NIV calculation only, be assigned a n' value and the n' values of the Ranked Priced Bids-Deemed Available Bid Volumes will be adjusted accordingly. The set of Ranked Priced Bids-Deemed Available Bid Volumes including the Sell Price Volume Adjustment (Energy) (ESVA_i) will then be a set of "**Ranked Bids**".

Where the price of the Sell Price Volume Adjustment (Energy) is the same as any other Ranked Priced Bid-Deemed Available Bid Volume, then the Sell Price Volume Adjustment (Energy) volume will be given the highest n' value of the Bid(s) with the same price.

~~The System Total Un-priced Bid Volume (TQUAB_i) will then be added into the set of Ranked Bids as n' = 1 and the n' values of the Ranked Bids will be adjusted accordingly. The volume will, for the purposes of the NIV calculation only, be assigned a n' value.~~

~~The Sell Price Volume Adjustment (System) (SSVA_i) will then be added into the set of Ranked Bids as n' = 2 and the n' values of the Ranked Bids will be adjusted accordingly. The volume will, for the purposes of the NIV calculation only, be assigned a n' value.~~

This then, for the purposes of the NIV Tagging calculation only, will constitute a set of "**Ranked Bid Volumes**", as follows:

$$(-TQUAB^{n'_1}_{ij}), (-SSVA^{n'_1}_{ij}), ((-QAPB^{n'_1}_{ij}, DABV^{n'_1}_{ij} \dots) (-ESVA^{n'_1}_{ij}))$$

The set of all ~~accepted-Deemed Available Offer Volumes~~ Offers, which are ~~neither De Minimis Offers nor not Arbitrage Accepted Offers~~ Deemed Available Offer Volumes will be ranked in price order, most expensive first (where the most expensive is allocated a n* value of 1, the next most expensive a n* value of 2 and so on). In any case where such Offers-Deemed Available Offer Volumes have the same price as each other, the ordering of such Offers-Deemed Available Offer Volumes will be random, subject to paragraph (gh). The set of ~~Non-De Minimis and Non-arbitrage Deemed Available Offer Volumes~~ Offers $\{QAPO^{n^*_1}_{ij}, QAPO^{n^*_2}_{ij}, \dots, QAPO^{n^*_{x'}}_{ij}\}$

$\{DAOV^{n^*}_{ij}, DAOV^{n^*}_{ij}, \dots, DAOV^{n^*}_{ij}\}$ is then a set of "**Ranked ~~Priced~~ OffersDeemed Available Offer Volumes**".

The Buy Price Volume Adjustment (Energy) (EBVA_j) will be added into the set of Ranked ~~Priced OffersDeemed Available Offer Volumes~~ according to the Buy Price Cost Adjustment (Energy) (EBCA_j) (converted to a price in £/MWh, i.e. EBCA_j / EBVA_j). The volume will, for the purposes of the NIV calculation only, be assigned a n* value and the n* values of the Ranked ~~Priced OffersDeemed Available Offer Volumes~~ will be adjusted accordingly. The set of Ranked ~~Priced OffersDeemed Available Offer Volumes~~ including the Buy Price Volume Adjustment (Energy) (EBVA_j) will then be a set of "**Ranked Offers**".

Where the price of the Buy Price Volume Adjustment (Energy) is the same as any other Ranked ~~Priced OfferDeemed Available Offer Volume~~, then the Buy Price Volume Adjustment (Energy) volume will be given the highest n* value of the Offer(s) with the same price.

~~The System Total Un-priced Offer Volume (TQUAO_j) will then be added into the set of Ranked Offers as n*=1 and the n* values of the Ranked Offers will be adjusted accordingly. The volume will, for the purposes of the NIV calculation only, be assigned a n* value.~~

~~The Buy Price Volume Adjustment (System) (SBVA_j) will then be added into the set of Ranked Offers as n*=2 and the n* values of the Ranked Offers will be adjusted accordingly. The volume will, for the purposes of the NIV calculation only, be assigned a n* value.~~

This then, for the purposes of the NIV Tagging calculation only, will constitute a set of "**Ranked Offer Volumes**", as follows:

~~(TQUAO^{n*}_j), (SBVA^{n*}_j), ((QAPO^{n*}_{ij} ...) (EBVA^{n*}_j))~~

(be) If $NIV_j > 0$:

~~$\{\sum^{n^*} (QAPB^{n^*}_{ij}) + (ESVA^{n^*}_j) + (SSVA^{n^*}_j) + (TQUAB^{n^*}_j)\} \leq \{\sum^{n^*} QAPO^{n^*}_{ij} + EBVA^{n^*}_j + SBVA^{n^*}_j + TQUAO^{n^*}_j\}$~~

~~where \sum^{n^*} is the sum over the Ranked Priced Bids and \sum^{n^*} is the sum over the Ranked Priced Offers,~~

then all the Ranked Bid Volumes (for all values of n') will be defined as NIV Tagged ~~BidsDeemed Available Bid Volumes~~, or the NIV Tagged ESVA, ~~or the NIV Tagged SSVA or the NIV Tagged System Total Un-priced Bid Volume~~ (as the case may be).

(dc) Since ~~$\{\sum^{n^*} (QAPB^{n^*}_{ij}) + (ESVA^{n^*}_j) + (SSVA^{n^*}_j) + (TQUAB^{n^*}_j)\}$~~ If $0 < NIV_j \leq \{\sum^{n^*} QAPO^{n^*}_{ij} + EBVA^{n^*}_j + SBVA^{n^*}_j + TQUAO^{n^*}_j\}$ there must exist a number e and a number φ (which may be a fraction or zero) for which

~~$NIV_j \cdot \{\sum^{n^*} (QAPB^{n^*}_{ij}) + (ESVA^{n^*}_j) + (SSVA^{n^*}_j) + (TQUAB^{n^*}_j)\} = \{(\sum^{n^*} QAPO^{n^*}_{ij}), (EBVA^{n^*}_j), (SBVA^{n^*}_j), (TQUAO^{n^*}_j)\} + \phi * ((QAPO^{n^*}_{ij}), (EBVA^{n^*}_j), (SBVA^{n^*}_j), (TQUAO^{n^*}_j))\}$~~

where ~~\sum^{n^*} is the sum over all Ranked Bid Volumes and~~ $\sum^{n^*} v < e$ is the sum over those Ranked Offer Volumes for which v is less than e.

Subject to paragraph (gh), each Ranked Offer Volume of the Ranked Offer Volumes numbered 1 to e-1 for which this is true will be defined as NIV Tagged ~~Offers~~ Deemed Available Offer Volumes, or the NIV Tagged EBVA, ~~or the NIV Tagged SBVA, or the NIV Tagged System Total Un-priced Offer Volume~~ (as the case may be). If ϕ is a fraction rather than 0, then the fraction ϕ of the Ranked Offer Volume numbered e will be defined as a NIV Tagged ~~Offer~~ Deemed Available Offer Volume, or the NIV Tagged EBVA, ~~or the NIV Tagged SBVA, or the NIV Tagged System Total Un-priced Offer Volume~~ (as the case may be).

For the purposes of PAR Tagging and the determination of Untagged EBVA (UEBVA_j) (paragraph 4(f) of this Annex T-1):

The NIV Untagged EBVA (NUEBVA_j) is the portion of Buy Price Volume Adjustment (Energy) (EBVA_j) which is not NIV Tagged EBVA (NTEBVA_j) for the relevant Settlement Period. If none of the Buy Price Volume Adjustment (Energy) (EBVA_j) is NIV Tagged EBVA, the NIV Untagged EBVA shall be equal to the Buy Price Volume Adjustment (Energy) (EBVA_j) (and the NIV Tagged EBVA shall be set to zero). If all of the Buy Price Volume Adjustment (Energy) (EBVA_j) is NIV Tagged EBVA, the NIV Untagged EBVA shall be set to zero.

(d) If $NIV_j > 0$ and $NIV_j > \{\sum^{n^*} DAOV_{ij}^{n^*} + EBVA_j^{n^*}\}$:

then no Deemed Available Offer Volume or EBVA volume will be NIV Tagged.

~~For the purposes of reporting:~~

~~If none of the Buy Price Volume Adjustment (System) (SBVA_j) for the relevant Settlement Period is NIV Tagged SBVA (TSBVA_j), the value of NIV Tagged SBVA (TSBVA_j) shall be set to zero for that Settlement Period.~~

~~If none of the System Total Un-priced Offer Volume for the relevant Settlement Period is NIV Tagged System Total Un-priced Offer Volume (TTQUAO_j), the value of NIV Tagged System Total Un-priced Offer Volume (TTQUAO_j) shall be set to zero for that Settlement Period.~~

(e) If $NIV_j < 0$:

~~$\{\sum^{n^*} (-QAPB_{ij}^{n^*}) + (-ESVA_j^{n^*}) + (-SSVA_j^{n^*}) + (-TQUAB_j^{n^*})\} > \{\sum^{n^*} QAPO_{ij}^{n^*} + EBVA_j^{n^*} + SBVA_j^{n^*} + TQUAO_j^{n^*}\}$~~

~~where \sum^{n^*} is the sum over the Ranked Priced Bids and \sum^{n^*} is the sum over the Ranked Priced Offers,~~

then all the Ranked Offer Volumes (for all values of n*) will be defined as NIV Tagged Deemed Available Offer Volumes ~~Offers~~, or the NIV Tagged EBVA, ~~or the NIV Tagged SBVA, or the NIV Tagged System Total Un-priced Offer Volume~~ (as the case may be).

(f) ~~Since~~ If $NIV_j < 0$ and $\{\sum^{n^*} (-QAPB_{ij}^{n^*}) + (-ESVA_j^{n^*}) + (-SSVA_j^{n^*}) + (-TQUAB_j^{n^*})\} > \{-NIV_j \{\sum^{n^*} QAPO_{ij}^{n^*} + EBVA_j^{n^*} + SBVA_j^{n^*} + TQUAO_j^{n^*}\}\}$ there

must exist a number e and a number ϕ (which may be a fraction or zero) for which

$$\frac{\{\sum^{n^*} (QAPB_{ij}^{n^*}), (EBVA_j^{n^*}), (SBVA_j^{n^*}), (TQUAO_j^{n^*})\} - NIV_j}{\{QAPB_{ij}^{n^*}, (DABV_{ij}^{n^*}), (-ESVA_j^{n^*}), (-SSVA_j^{n^*}), (-TQUAB_j^{n^*})\} + \phi * \{(-QAPB_{ij}^{n^*}), (-DABV_{ij}^{n^*}), (-ESVA_j^{n^*}), (-SSVA_j^{n^*}), (-TQUAB_j^{n^*})\}}$$

where \sum^{n^*} is the sum over all Ranked Offer Volumes and $\sum^{n^* v < e}$ is the sum over those Ranked Bid Volumes for which v is less than e.

Subject to paragraph (gh), each Ranked Bid Volume of the Ranked Bid Volumes numbered 1 to e-1 for which this is true will be defined as NIV Tagged Bids Deemed Available Bid Volumes, or the NIV Tagged ESVA, ~~or the NIV Tagged SSVA or the NIV Tagged System Total Un-priced Bid Volume~~ (as the case may be). If ϕ is a fraction rather than 0, then the fraction ϕ of the Ranked Bid Volume numbered e will be defined as a NIV Tagged Bid Deemed Available Bid Volume, or the NIV Tagged ESVA, ~~or the NIV Tagged SSVA or the NIV Tagged System Total Un-priced Bid Volume~~ (as the case may be).

For the purposes of PAR Tagging and the determination of Untagged ESVA (UESVA_j) (paragraph 4(d) of this Annex T-1):

The NIV Untagged ESVA (NUESVA_j) is the portion of the Sell Price Volume Adjustment (Energy) (ESVA_j) which is not NIV Tagged ESVA (NTESVA_j) for the relevant Settlement Period. If none of the Sell Price Volume Adjustment (Energy) (ESVA_j) is NIV Tagged ESVA, the NIV Untagged ESVA shall be equal to the Sell Price Volume Adjustment (Energy) (ESVA_j) (and the NIV Tagged ESVA shall be set to zero). If all of the Sell Price Volume Adjustment (Energy) (ESVA_j) is NIV Tagged ESVA, the NIV Untagged ESVA shall be set to zero.

(g) ~~If $NIV_j < 0$ and $\{\sum^{n^*} (-DABV_{ij}^{n^*}) + (-ESVA_j^{n^*})\} < -NIV_j$:~~

~~then no Deemed Available Bid Volume or ESVA volume will be NIV Tagged.~~

~~For the purposes of reporting:~~

~~If none of the Sell Price Volume Adjustment (System) (SSVA_j) for the relevant Settlement Period is NIV Tagged SSVA (TSSVA_j), the value of NIV Tagged SBVA (TSSVA_j) shall be set to zero for that Settlement Period.~~

~~If none of the System Total Un-priced Bid Volume for the relevant Settlement Period is NIV Tagged System Total Un-priced Bid Volume (TTQUAB_j), the value of NIV Tagged System Total Un-priced Bid Volume (TTQUAB_j) shall be set to zero for that Settlement Period.~~

(gh) However, for each of paragraphs (c), ~~(d)~~, ~~(e)~~ and (f) (each a "relevant provision") separately, if the application of the relevant provision (the "initial calculation") would result in there being any Ranked Bid Volume or Ranked Offer Volume which:

(1) is not defined as (as the case may be) a NIV Tagged Bid Deemed Available Bid Volume, NIV Tagged Deemed Available Offer Volume, NIV Tagged ESVA or NIV Tagged EBVA, but

- (2) has the same price (other than merely by virtue of being a fraction (1 - φ) pursuant to the initial calculation) as, in the case of a Ranked Bid Volume, a Ranked ~~Bid~~ Bid Volume which is a NIV Tagged ~~Bid~~ Deemed Available Bid Volume or NIV Tagged ESVA or, in the case of Ranked Offer Volume, a Ranked Offer Volume which is a NIV Tagged ~~Offer~~ Deemed Available Offer Volume or NIV Tagged EBVA,

then:

- (i) all such Ranked Bid Volumes ~~$QAPB^{n'_{ij}}$~~ $DABV^{n'_{ij}}$ or $ESVA^{n'_j}$ or Ranked Offer Volumes ~~$QAPO^{n'_{ij}}$~~ $DAOV^{n'_{ij}}$ or $EBVA^{n'_j}$ (whether or not NIV Tagged Deemed Available Bid Volumes, NIV Tagged ESVA, NIV Tagged Deemed Available Offer Volumes or NIV Tagged EBVA on the basis of the initial calculation) which have the same price are "threshold Bids" (in the case of Ranked Bid Volumes) or "threshold Offers" (in the case of Ranked Offer Volumes);
- (ii) no threshold Bid or threshold Offer shall be defined as a NIV Tagged ~~Bid~~ Deemed Available Bid Volume or NIV Tagged ESVA or NIV Tagged ~~Offer~~ Deemed Available Offer Volume or NIV Tagged EBVA (as the case may be) pursuant to the relevant provision, but instead the fraction δ of each threshold Bid ~~$QAPB^{n'_{ij}}$~~ $DABV^{n'_{ij}}$ or $ESVA^{n'_j}$ or threshold Offer ~~$QAPO^{n'_{ij}}$~~ $DAOV^{n'_{ij}}$ or $EBVA^{n'_j}$ which satisfies the following shall be defined as NIV Tagged ~~Bids~~ Deemed Available Bid Volumes, NIV Tagged ESVA, NIV Tagged ~~Offers~~ Deemed Available Offer Volumes or NIV Tagged EBVA (as the case may be):

$$\delta * (\sum^{n'_r} \del{QAPB^{n'_{ij}}} \del{, ESVA^{n'_j}}) = \sum^{n'_r} \del{QAPB^{n'_{ij}}} \del{, ESVA^{n'_j}}$$

$$\delta * (\sum^{n'_r} \del{DABV^{n'_{ij}}} \del{, ESVA^{n'_j}}) = \sum^{n'_r} \del{DABV^{n'_{ij}}} \del{, ESVA^{n'_j}}$$

or (as the case may be)

$$\delta * (\sum^{n'_r} \del{QAPO^{n'_{ij}}} \del{, EBVA^{n'_j}}) = \sum^{n'_r} \del{QAPO^{n'_{ij}}} \del{, EBVA^{n'_j}}$$

$$\delta * (\sum^{n'_r} \del{DAOV^{n'_{ij}}} \del{, EBVA^{n'_j}}) = \sum^{n'_r} \del{DAOV^{n'_{ij}}} \del{, EBVA^{n'_j}}$$

where

$\sum^{n'_r}$ is the sum over all threshold Bids or (as the case may be) threshold Offers, and

$\sum^{n'_r}$ is the sum over all threshold Bids or (as the case may be) threshold Offers (including a fraction φ thereof) which, on the basis of the initial calculation would have been defined as NIV Tagged

~~Bids-Deemed Available Bid Volumes~~ or NIV Tagged ESVA or (as the case may be) NIV Tagged ~~Offers-Deemed Available Offer Volumes~~ or NIV Tagged EBVA.

4 PAR Tagging

4.1 In respect of each Settlement Period, PAR Tagged ~~Offers-Deemed Available Offer Volumes~~, PAR Tagged ~~Bids-Deemed Available Bid Volumes~~, PAR Tagged EBVA and PAR Tagged ESVA will be defined in the following way:

- (a) The set of all ~~accepted-Bids-Deemed Available Bid Volumes~~, which are neither ~~De Minimis Bids nor~~ Arbitrage ~~Accepted-Bids-Deemed Available Bid Volumes~~ nor NIV Tagged ~~Bids-Deemed Available Bid Volumes~~, will be ranked in price order, cheapest first (where the cheapest is allocated a n" value of 1, the next cheapest a n" value of 2 and so on). In any case where such ~~Bids-Deemed Available Bid Volumes~~ have the same price as each other, the ordering of such ~~Bids-Deemed Available Bid Volumes~~ will be random, subject to paragraph (g). The set of ~~Non-De Minimis and~~ Non-arbitrage and NIV-Untagged ~~Bids-Deemed Available Bid Volumes~~ $\{QAPB^{n_1}_{ij}, QAPB^{n_2}_{ij}, \dots, QAPB^{n_w}_{ij}\}$ $\{DABV^{n_1}_{ij}, DABV^{n_2}_{ij}, \dots, DABV^{n_w}_{ij}\}$ is then a set of "Ranked ~~Priced~~ ~~Bids-Deemed Available Bid Volumes~~".

The NIV-Untagged Sell Price Volume Adjustment (Energy) (NUESVA_j) will be added into the set of Ranked ~~Priced-Bids-Deemed Available Bid Volumes~~ according to the Sell Price Cost Adjustment (Energy) (ESCA_j) (converted to a price in £/MWh, i.e. ESCA_j / ESVA_j). The volume will, for the purposes of the PAR calculation only, be assigned a n" value and the n" values of the Ranked ~~Priced-Bids-Deemed Available Bid Volumes~~ will be adjusted accordingly. The set of Ranked ~~Priced-Bids-Deemed Available Bid Volumes~~ including the NIV-Untagged Sell Price Volume Adjustment (Energy) (NUESVA_j) will then be a set of "Ranked Bids".

Where the price of the NIV-Untagged Sell Price Volume Adjustment (Energy) is the same as any other ~~Ranked-Priced-Bid-Deemed Available Bid Volume~~, then the NIV-Untagged Sell Price Volume Adjustment (Energy) volume will be given the highest n" value of the Bid(s) with the same price.

This then, for the purposes of the PAR Tagging calculation only, will constitute a set of "Ranked Bid Volumes", as follows:

((~~-QAPBⁿDABVⁿ~~_{ij}...), (-NUESVAⁿ_j))

- (b) The set of all ~~accepted-Offers-Deemed Available Offer Volumes~~, which are neither ~~De Minimis Offers nor~~ Arbitrage ~~Accepted-Offers-Deemed Available Offer Volumes~~ nor NIV Tagged ~~Offers-Deemed Available Offer Volumes~~ will be ranked in price order, most expensive first (where the most expensive is allocated a n" value of 1, the next most expensive a n" value of 2 and so on). In any case where such ~~Offers-Deemed Available Offer Volumes~~ have the same price as each other, the ordering of such ~~Offers-Deemed Available Offer Volumes~~ will be random, subject to paragraph (g). The set of ~~Non-De Minimis and~~ Non-arbitrage and NIV-Untagged ~~Deemed Available Offer Volumes~~ $\{QAPO^{n_1}_{ij}, QAPO^{n_2}_{ij}, \dots, QAPO^{n_x}_{ij}\}$

$\{DAOV^{n^1}_{ij}, DAOV^{n^2}_{ij}, \dots, DAOV^{n^x}_{ij}\}$ is then a set of "**Ranked ~~Pri~~eed OffersDeemed Available Offer Volumes**".

The NIV Untagged Buy Price Volume Adjustment (Energy) (NUEBVA_j) will be added into the set of Ranked ~~Pri~~eed OffersDeemed Available Offer Volumes according to the Buy Price Cost Adjustment (Energy) (EBCA_j) (converted to a price in £/MWh, i.e. EBCA_j / EBVA_j). The volume will, for the purposes of the PAR calculation only, be assigned a n" value and the n" values of the Ranked ~~Pri~~eed OffersDeemed Available Offer Volumes will be adjusted accordingly. The set of Ranked ~~Pri~~eed OffersDeemed Available Offer Volumes including the NIV-Untagged Buy Price Volume Adjustment (Energy) (NUEBVA_j) will then be a set of "**Ranked Offers**".

Where the price of the NIV-Untagged Buy Price Volume Adjustment (Energy) is the same as any other Ranked ~~Pri~~eed OfferDeemed Available Offer Volume, then the NIV-Untagged Buy Price Volume Adjustment (Energy) volume will be given the highest n" value of the Offer(s) with the same price.

This then, for the purposes of the PAR Tagging calculation only, will constitute a set of "**Ranked Offer Volumes**", as follows:

$((\text{DAOV}^{n^1}_{ij} \dots), (NUEBVA^{n^j}_j))$

(c) If:

$$\{\sum^{n^1} (-\text{QAPB}^{n^1}_{ij} \text{DABV}^{n^1}_{ij}) + (-NUESVA^{n^j}_j)\} \leq \text{PAR}$$

where \sum^{n^1} is the sum over the Ranked ~~Pri~~eed BidsDeemed Available Bid Volumes,

then none of the Ranked Bid Volumes (for all values of n") will be defined as PAR Tagged ~~Bid~~Deemed Available Bid Volumes or the PAR Tagged ESVA (as the case may be).

(d) If $\{\sum^{n^1} (-\text{QAPB}^{n^1}_{ij} \text{DABV}^{n^1}_{ij}) + (-NUESVA^{n^j}_j)\} > \text{PAR}$ there must exist a number f and a number ϕ (which may be a fraction or one) for which

$$\text{PAR} = \{(\sum^{n^1} \text{ }^{v < f} (-\text{QAPB}^{n^1}_{ij} \text{DABV}^{n^1}_{ij}), (-NUESVA^{n^j}_j)) + \phi * ((-\text{QAPB}^{n^1}_{ij} \text{DABV}^{n^1}_{ij}), (-NUESVA^{n^j}_j))\}$$

where $\sum^{n^1} \text{ }^{v < f}$ is the sum over those Ranked Bid Volumes for which v is less than f.

Subject to paragraph (g), each Ranked Bid Volume of the Ranked Bid Volumes numbered f+1 or higher for which this is true will be defined as a PAR Tagged ~~Bid~~Deemed Available Bid Volume or the PAR Tagged EBVA (as the case may be). If ϕ is a fraction rather than 1, then the fraction (1- ϕ) of the Ranked Bid Volume numbered f will be defined as a PAR Tagged ~~Bid~~Deemed Available Bid Volume or the PAR Tagged ESVA (as the case may be).

For the purposes of the energy imbalance price calculation (Section T 4.4.5 and 4.4.6):

The Untagged ESVA (UESVA_j) is the portion of NIV Untagged Sell Price Volume Adjustment (Energy) (NUESVA_j) which is not PAR Tagged ESVA (PTESVA_j) for the relevant Settlement Period. If none of the NIV Untagged

Sell Price Volume Adjustment (Energy) (NUESVA_j) is PAR Tagged ESVA, the Untagged ESVA shall be equal to the NIV Untagged Sell Price Volume Adjustment (Energy) (NUESVA_j) (and the PAR Tagged ESVA shall be set to zero). If all of the Sell Price Volume Adjustment (Energy) (ESVA_j) is NIV Tagged ESVA or PAR Tagged ESVA, the Untagged ESVA shall be set to zero.

The Untagged ESCA (UESCA_j) is then the portion of the Sell Price Cost Adjustment (Energy) associated with the Untagged ESVA for the relevant Settlement Period determined as follows:

$$\text{UESCA}_j = \text{UESVA}_j * (\text{ESCA}_j / \text{ESVA}_j)$$

(e) If:

$$\{\sum^n (\text{QAP}\text{O}^{\text{DAOV}^n}_{ij}) + (\text{NUEBVA}^n_j)\} \leq \text{PAR}$$

where \sum^n is the sum over the Ranked ~~Priced Offers~~ Deemed Available Offer Volumes,

then none of the Ranked Offer Volumes (for all values of n) will be defined as PAR Tagged ~~Offers~~ Deemed Available Offer Volumes or the PAR Tagged EBVA (as the case may be).

(f) If $\{\sum^n (\text{QAP}\text{O}^{\text{DAOV}^n}_{ij}) + (\text{NUEBVA}^n_j)\} > \text{PAR}$ there must exist a number f and a number ϕ (which may be a fraction or one) for which

$$\text{PAR} = \{(\sum^{n^v < f} (\text{QAP}\text{O}^{\text{DAOV}^n}_{ij}), (\text{NUEBVA}^{n^v}_j)) + \phi * ((\text{QAP}\text{O}^{\text{DAOV}^n^f}_{ij}), (\text{NUEBVA}^{n^f}_j))\}$$

where $\sum^{n^v < f}$ is the sum over those Ranked Offer Volumes for which v is less than f .

Subject to paragraph (g), each Ranked Offer Volume of the Ranked Offer Volumes numbered $f+1$ or higher for which this is true will be defined as a PAR Tagged ~~Offer~~ Deemed Available Offer Volume or the PAR Tagged EBVA (as the case may be). If ϕ is a fraction rather than 1, then the fraction $(1-\phi)$ of the Ranked Offer Volume numbered f will be defined as a PAR Tagged ~~Offer~~ Deemed Available Offer Volume or the PAR Tagged EBVA (as the case may be).

For the purposes of the energy imbalance price calculation (Section T 4.4.5 and 4.4.6):

The Untagged EBVA (UEBVA_j) is the portion of NIV Untagged Buy Price Volume Adjustment (Energy) (NUEBVA_j) which is not PAR Tagged EBVA (PTEBVA_j) for the relevant Settlement Period. If none of the NIV Untagged Buy Price Volume Adjustment (Energy) (NUEBVA_j) is PAR Tagged EBVA, the Untagged EBVA shall be equal to the NIV Untagged Buy Price Volume Adjustment (Energy) (NUEBVA_j) (and the PAR Tagged EBVA shall be set to zero). If all of the Buy Price Volume Adjustment (Energy) (EBVA_j) is NIV Tagged EBVA or PAR Tagged EBVA, the Untagged EBVA shall be set to zero.

The Untagged EBVA (UEBCA_j) is then the portion of the Buy Price Cost Adjustment (Energy) associated with the Untagged EBVA for the relevant Settlement Period determined as follows:

$$UEBCA_j = UEBVA_j * (EBCA_j / EBVA_j)$$

- (g) However, for each of paragraphs (c), (d), (e) and (f) (each a "relevant provision") separately, if the application of the relevant provision (the "initial calculation") would result in there being any Ranked Bid or Ranked Offer which:

- (1) is not defined as (as the case may be) a PAR Tagged ~~Bid~~Deemed Available Bid Volume, PAR Tagged ~~Offer~~Deemed Available Offer Volume, PAR Tagged ESVA or PAR Tagged EBVA, but
- (2) has the same price (other than merely by virtue of being a fraction ϕ pursuant to the initial calculation) as, in the case of a Ranked Bid, a Ranked Bid which is a PAR Tagged ~~Bid~~Deemed Available Bid Volume or PAR Tagged ESVA or, in the case of Ranked Offer, a Ranked Offer which is a PAR Tagged ~~Offer~~Deemed Available Offer Volume or PAR Tagged EBVA,

then:

- (i) all such Ranked Bids ~~$QAPB^{n''_{rj}}$~~ $DABV^{n''_{rj}}$ or $ESVA^{n''_{rj}}$ or Ranked Offers ~~$QAPO^{n''_{rj}}$~~ $DAOV^{n''_{rj}}$ or $EBVA^{n''_{rj}}$ (whether or not PAR Tagged ~~Bids~~Deemed Available Bid Volumes, PAR Tagged ESVA, PAR Tagged Deemed Available Offer Volumes or PAR Tagged EBVA on the basis of the initial calculation) which have the same price are "threshold Bids" (in the case of Ranked Bids) or "threshold Offers" (in the case of Ranked Offers);
- (ii) no threshold Bid or threshold Offer shall be defined as a PAR Tagged Deemed Available Bid Volume or PAR Tagged ESVA or PAR Tagged Deemed Available Offer Volume or PAR Tagged EBVA (as the case may be) pursuant to the relevant provision, but instead the fraction δ of each threshold Bid ~~$QAPB^{n''_{rj}}$~~ $DABV^{n''_{rj}}$ or $ESVA^{n''_{rj}}$ or threshold Offer ~~$QAPO^{n''_{rj}}$~~ $DAOV^{n''_{rj}}$ or $EBVA^{n''_{rj}}$ which satisfies the following shall be defined as PAR Tagged ~~Bids~~Deemed Available Bid Volumes, PAR Tagged ESVA, PAR Tagged ~~Offers~~Deemed Available Offer Volumes or PAR Tagged EBVA (as the case may be):

$$\begin{aligned} \delta * (\sum^{n''_{r'}} \del{QAPB^{n''_{rj}}}, ESVA^{n''_{rj}}) &= \sum^{n''_{r'}} \del{QAPB^{n''_{rj}}}, ESVA^{n''_{rj}} \\ \delta * (\sum^{n''_{r'}} DABV^{n''_{rj}}, ESVA^{n''_{rj}}) &= \sum^{n''_{r'}} DABV^{n''_{rj}}, ESVA^{n''_{rj}} \end{aligned}$$

or (as the case may be)

$$\begin{aligned} \delta * (\sum^{n''_{r'}} \del{QAPO^{n''_{rj}}}, EBVA^{n''_{rj}}) &= \sum^{n''_{r'}} \del{QAPO^{n''_{rj}}}, EBVA^{n''_{rj}} \\ \delta * (\sum^{n''_{r'}} DAOV^{n''_{rj}}, EBVA^{n''_{rj}}) &= \sum^{n''_{r'}} DAOV^{n''_{rj}}, EBVA^{n''_{rj}} \end{aligned}$$

where

\sum^{n_r} is the sum over all threshold Bids or (as the case may be) threshold Offers, and

$\sum^{n_r'}$ is the sum over all threshold Bids or (as the case may be) threshold Offers (including a fraction $1-\phi$ thereof) which, on the basis of the initial calculation would have been defined as PAR Tagged ~~Bids~~ Deemed Available Bid Volumes or PAR Tagged ESVA or (as the case may be) PAR Tagged ~~Offers~~ Deemed Available Offer Volumes or PAR Tagged EBVA.

ANNEX X-1: GENERAL GLOSSARY (version 34.0)

The following definitions in Annex X-1 General Glossary shall be deleted:

"De Minimis Acceptance Threshold":	has the meaning given to that term in Section T1.7.1;
"De Minimis Accepted Bids":	has the meaning given to that term in Annex T 1 1A.1(a);
"De Minimis Accepted Offers":	has the meaning given to that term in Annex T 1 1A.1(b);
"Non-De Minimis Accepted Bids":	has the meaning given to that term in Annex T 1 1A.2;
"Non-De Minimis Accepted Offers":	has the meaning given to that term in Annex T 1 1A.2;

The following new definitions shall be inserted in Annex X-1 General Glossary after the definition of Master Registration Agreement:

<u>"Maximum Export Limit Data":</u>	<u>means, in respect of a Settlement Period and BM Unit, the data relating to submissions of Maximum Export Limit which is referred to in Section Q2.2.3 and which complies with the requirements in Section Q2.2.4;</u>
<u>"Maximum Import Limit Data":</u>	<u>means, in respect of a Settlement Period and BM Unit, the data relating to submissions of Maximum Import Limit which is referred to in Section Q2.2.3 and which complies with the requirements in Section Q2.2.4;</u>

ANNEX X-2 TECHNICAL GLOSSARY (version 25.0)

Paragraph 4.5.1 of Annex X-2 Technical Glossary shall be amended as follows:

4.5 Interpolation of Values of Point Variables Between Spot Times Supplied

- 4.5.1 For certain spot variables it may be necessary to evaluate values applicable to any spot time within a Settlement Period from the discrete point variables supplied. These are:

Name	Acronym	Units	Calculated from point variable:
Acceptance Volume	$qA_{ij}^k(t)$	MW	${}^f qA_{ijt}^k$
Accepted Bid Volume	$qAB_{ij}^{kn}(t)$	MW	${}^f qAB_{ijt}^{kn}$
Accepted Bid-Offer Volume	$qABO_{ij}^{kn}(t)$	MW	${}^f qABO_{ijt}^{kn}$
Accepted Offer Volume	$qAO_{ij}^{kn}(t)$	MW	${}^f qAO_{ijt}^{kn}$
Bid-Offer Volume	$qBO_{ij}^n(t)$	MW	${}^f qBO_{ijt}^n$
FPN	$FPN_{ij}(t)$	MW	${}^f FPN_{ijt}$
<u>MEL Submission</u>	<u>$MEL_{ij}^r(t)$</u>	<u>MW</u>	<u>${}^f MEL_{ijtr}$</u>
<u>MIL Submission</u>	<u>$MIL_{ij}^r(t)$</u>	<u>MW</u>	<u>${}^f MIL_{ijtr}$</u>

The following Symbol and Parameter shall be inserted in Annex X-2 Table X-1 after the Symbol q:

<u>r</u>		<u>a combination of Notification Time and Sequence Number for an item of Maximum Export Limit Data or Maximum Import Limit Data.</u>
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The following new terms/expressions shall be inserted in Annex X-2, Table X-2 after the term/expression Actual Energy Indebtedness:

<u>Adopted MEL</u>	<u>$MEL_{ij}(t)$</u>	<u>MW</u>	<u>The quantity established in accordance with Section T4.3A.2.</u> <u>The value of $MEL_{ij}(t)$ is calculated for spot times t within Settlement Period j and shall be equal to the value of MEL Submission having the latest Notification Time and Notification Sequence Number for which data was submitted for spot time t.</u>
<u>Adopted MIL</u>	<u>$MIL_{ij}(t)$</u>	<u>MW</u>	<u>The quantity established in accordance with Section T4.3B.2.</u> <u>The value of $MIL_{ij}(t)$ is calculated for spot times t within Settlement Period j and shall be equal to the value of MIL Submission having the latest Notification Time and Notification Sequence Number for which data was submitted for spot time t.</u>

The following new terms/expressions shall be inserted in Annex X-2, Table X-2 after the term/expression *Arbitrage Accepted Offers*:

<u>Arbitrage Deemed Available Bid Volume</u>			<u>Has the meaning given to that term in Annex T-1.</u>
<u>Arbitrage Deemed Available Offer Volume</u>			<u>Has the meaning given to that term in Annex T-1.</u>

The following new terms/expressions shall be inserted in Annex X-2, Table X-2 after the term/expression *De Minimis Acceptance Threshold*:

<u>Deemed Available Bid Volume</u>	<u>$DABV_{ij}^n$</u>	<u>MWh</u>	<u>The quantity established in accordance with Section T4.3C.4.</u> <u>The Deemed Available Bid Volume represents a negative volume of energy which is deemed, for the purpose of calculating System Sell Price, to have been potentially available to the Transmission Company for the purpose of balancing the energy on the Transmission System in Settlement Period j.</u>
<u>Deemed Available Offer Volume</u>	<u>$DAOV_{ij}^n$</u>	<u>MWh</u>	<u>The quantity established in accordance with Section T4.3C.2.</u> <u>The Deemed Available Offer Volume represents a positive volume of energy which is deemed, for the purpose of calculating System Buy Price, to have been potentially available to the Transmission Company for the purpose of balancing the energy on the Transmission System in Settlement Period j.</u>

The following new term/expression shall be inserted in Annex X-2, Table X-2 after the term/expression *Maximum Import Limit*:

<u>MEL Submission</u>	<u>$MEL_{ij}^r(t)$</u>	<u>MW</u>	<u>The quantity established in accordance with Section T4.3A.1.</u> <u>The value of $MEL_{ij}^r(t)$ is calculated for spot times t by linear interpolation from the discrete values of Point MEL with Notification Time and Notification Sequence Number r.</u>
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The following new term/expression shall be inserted in Annex X-2, Table X-2 before the term/expression *Minimum Non-Zero Time* and after *Metered Volume Percentage Reallocation*:

<u>MIL Submission</u>	<u>$MIL_{ij}^r(t)$</u>	<u>MW</u>	<u>The quantity established in accordance with Section T4.3B.1.</u> <u>The value of $MIL_{ij}^r(t)$ is calculated for spot times t by linear interpolation from the discrete values of Point MIL with Notification Time and Notification Sequence Number r.</u>
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The following new terms/expressions shall be inserted in Annex X-2, Table X-2 after the term/expression NIV Tagged Bid:

<u>NIV Tagged Deemed Available Bid Volume</u>			<u>Has the meaning given to that term in Annex T-1.</u>
<u>NIV Tagged Deemed Available Offer Volume</u>			<u>Has the meaning given to that term in Annex T-1.</u>

The following new terms/expressions shall be inserted in Annex X-2, Table X-2 after the term/expression Non-arbitrage Bids:

<u>Non-arbitrage Deemed Available Offer Volume</u>			<u>Has the meaning given to that term in Annex T-1.</u>
<u>Non-arbitrage Deemed Available Bid Volume</u>			<u>Has the meaning given to that term in Annex T-1.</u>

The following new term/expression shall be inserted in Annex X-2, Table X-2 after the term/expression Notice to Deviate from Zero:

<u>Notification Time and Notification Sequence Number</u>	<u>r</u>		<u>A time and an associated number signifying the time of submission of Maximum Export Limit or Maximum Import Limit in respect of a BM Unit and (where two or more such submissions have the same such time) the order in which such submissions were made.</u>
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The following term/expression shall be amended in Annex X-2, Table X-2 as follows:

Point Value Identification Number	f		A number used to differentiate two values of a point variable determined for the same spot time and established for Point FPN values in Section T3.1.2(a), and for Point Bid-Offer Volumes in Section T3.1.2(b), <u>for Point MEL values in Section T3.1.2(d), and for Point MIL values in Section T3.1.2(e).</u>
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The following new term/expression shall be inserted in Annex X-2, Table X-2 after the term/expression Period Accepted Bid Volume as follows:

<u>Period Bid-Offer Volume</u>	<u>QBOⁿ_{ij}</u>	<u>MWh</u>	<u>The quantity established in accordance with Section T4.3C.1.</u> <u>The Period Bid-Offer Volume is the integrated MWh of energy implied by integrating the Bid-Offer Volume for BM Unit i and Bid-Offer Pair n over Settlement Period j.</u>
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The following terms/expressions shall be amended in Annex X-2, Table X-2 as follows:

PAR Tagged <u>Deemed Available Bid Volume</u>			Has the meaning given to that term in Annex T-1
PAR Tagged <u>Deemed Available Offer Volume</u>			Has the meaning given to that term in Annex T-1

The following new terms/expressions shall be inserted in Annex X-2, Table X-2 after the term/expression Period Information Imbalance Volume:

<u>Period MEL</u>	<u>MEL_{ij}</u>	<u>MWh</u>	<u>The quantity determined in accordance with Section T4.3A.</u> <u>The Period MEL is the integrated MWh of energy implied by integrating the Maximum Export Limit for BM Unit i over Settlement Period j.</u>
<u>Period MIL</u>	<u>MIL_{ij}</u>	<u>MWh</u>	<u>The quantity determined in accordance with Section T4.3B.</u> <u>The Period MIL is the integrated MWh of energy implied by integrating the Maximum Import Limit for BM Unit i over Settlement Period j.</u>

The following new terms/expressions shall be inserted in Annex X-2, Table X-2 after the term/expression Point FPN:

<u>Point MEL</u>	<u>$f_{MEL_{itr}}$</u>	<u>MW</u>	<p><u>A MW quantity and associated time in accordance with Section T3.1.2(d).</u></p> <p><u>Point MEL data is a series of MW spot values derived by the SAA for the Maximum Export Limit submission with Notification Time and Notification Sequence Number r for spot times t for BM Unit i.</u></p>
<u>Point MIL</u>	<u>$f_{MIL_{itr}}$</u>	<u>MW</u>	<p><u>A MW quantity and associated time in accordance with Section T3.1.2(e).</u></p> <p><u>Point MIL data is a series of MW spot values derived by the SAA for the Maximum Import Limit submission with Notification Time and Notification Sequence Number r for spot times t for BM Unit i.</u></p>

The following terms/expressions contained in Annex X-2 Table X-2 shall be deleted:

Defined Term	Acronym	Units	Definition/Explanatory Text
accepted Bid		MWh	Has the meaning given to that term in Annex T-1.
accepted Offer		MWh	Has the meaning given to that term in Annex T-1.
Arbitrage-Accepted Bids			<p>Has the meaning given to that term in Annex T-1.</p> <p>Arbitrage-Accepted Bids are those accepted Bids (or parts thereof) in Settlement Period j, for which the Bid Price is greater than or equal to the Offer Price of one or more accepted Offers in the same Settlement Period. The quantity of Arbitrage-Accepted Bids tagged as such in a particular Settlement Period is limited by the aggregate quantity of accepted Offers for which the Offer Price is less than equal to the Bid Price of accepted Bids.</p>
Arbitrage-Accepted Offers			<p>Has the meaning given to that term in Annex T-1.</p> <p>Arbitrage-Accepted Offers are those accepted Offers (or parts thereof) in Settlement Period j, for which the Offer Price is less than or equal to the Bid Price of one or more accepted Bids in the same Settlement Period. The quantity of Arbitrage-Accepted Offers tagged as such in a particular Settlement Period is limited by the aggregate quantity of accepted Bids for which the</p>

Defined Term	Acronym	Units	Definition/Explanatory Text
			Bid Price is greater than or equal to the Offer Price of accepted Offers.
Continuous Acceptance Duration	CAD_i^k	Minutes	<p>The quantity determined in accordance with paragraph 3.1A of Section T.</p> <p>The Continuous Acceptance Duration determined in relation to each Acceptance k, as the period of time from earliest spot time associated with Acceptance k, or any other continuous acceptance, to the latest spot time associated with Acceptance k or any other continuous acceptance.</p>
Continuous Acceptance Duration Limit	CADL	Minutes	The value established and from time to time revised and approved in accordance with Section T3.1B
De-Minimis Acceptance Threshold	DMAT	MWh	The value established and from time to time revised and approved in accordance with Section T1.7
Excluded Emergency Acceptance			<p>An Acceptance which has been classified by the Transmission Company as 'Excluded' pursuant to Section Q5.1.14.</p> <p>An Excluded Emergency Acceptance is treated as unpriced for the purposes of Section T3.9A.</p>
NIV Tagged Bid			Has the meaning given to that term in Annex T-1.
NIV Tagged Offer			Has the meaning given to that term in Annex T-1.
NIV Tagged SBVA	$TSBVA_j$	MWh	Has the meaning given to that term in Annex T-1.
NIV Tagged SSVA	$TSSVA_j$	MWh	Has the meaning given to that term in Annex T-1.
NIV Tagged System Total Un-priced Bid Volume	$TTQUAB_j$	MWh	Has the meaning given to that term in Annex T-1.
NIV Tagged System Total Un-priced Offer Volume	$TTQUAO_j$	MWh	Has the meaning given to that term in Annex T-1.
Non-arbitrage Bids			Has the meaning given to that term in Annex T-1.
Non-arbitrage Offers			Has the meaning given to that term in Annex T-1.
Period-BM Unit Total Priced Accepted Bid Volume	$QAPB_{ij}^n$	MWh	<p>The quantity determined in accordance with Section T3.9A.</p> <p>The period-BM Unit Total Priced Accepted Bid Volume is the quantity of Bid n, accepted in</p>

Defined Term	Acronym	Units	Definition/Explanatory Text
			respect of BM Unit i, in Settlement Period j, as a result of all Acceptances that may contribute to the determination of System Sell Price.
Period BM Unit Total Priced Accepted Offer Volume	$QAPO_{ij}^n$	MWh	<p>The quantity determined in accordance with Section T3.9A.</p> <p><i>The period BM Unit Total Priced Accepted Offer Volume is the quantity of Offer n, accepted in respect of BM Unit i, in Settlement Period j, as a result of all Acceptances that may contribute to the determination of System Buy Price.</i></p>
Period Priced Accepted Bid Volume	$QAPB_{ij}^{kn}$	MWh	<p>The quantity determined in accordance with Section T3.8A.</p> <p><i>The Period Priced Accepted Bid Volume is the volume of Bid n, accepted in respect of BM Unit i, in Settlement Period j, as a result of Acceptance k that may contribute to the determination of System Sell Price.</i></p>
Period Priced Accepted Offer Volume	$QAPO_{ij}^{kn}$	MWh	<p>The quantity determined in accordance with Section T3.8A.</p> <p><i>The Period Priced Accepted Offer Volume is the volume of Offer n, accepted in respect of BM Unit i, in Settlement Period j, as a result of Acceptance k that may contribute to the determination of System Buy Price.</i></p>
System Total Un-Priced Accepted Bid Volume	$TQUAB_j$	MWh	<p>The quantity determined in accordance with Section T4.4.2B.</p> <p><i>The System Total Un-Priced Accepted Bid Volume is the difference between the System Total Accepted Bid Volume and the sum of the Period BM Unit Priced Accepted Bid Volume over all BM Units in Settlement Period j.</i></p>
System Total Un-Priced Accepted Offer Volume	$TQUAO_j$	MWh	<p>The quantity determined in accordance with Section T4.4.2A.</p> <p><i>The System Total Un-Priced Accepted Offer Volume is the difference between the System Total Accepted Offer Volume and the sum of the Period BM Unit Priced Accepted Offer Volume over all BM Units in Settlement Period j.</i></p>
Total Accepted Priced Bid Volume	$TQPAB_j$	MWh	<p>The quantity determined in accordance with Section T4.4.8.</p> <p><i>Total Accepted Priced Bid Volume for Settlement Period j is the sum of the Period BM Unit Total</i></p>

Defined Term	Acronym	Units	Definition/Explanatory Text
			Accepted Bid Volume over all BM Units and over all accepted Bids that are not Arbitrage Accepted Bids or NIV Tagged Bids.
Total Accepted Priced Offer Volume	TQPAO_j	MWh	<p>The quantity determined in accordance with Section T4.4.7.</p> <p><i>Total Accepted Priced Offer Volume for Settlement Period j is the sum of the Period BM Unit Total Accepted Offer Volume over all BM Units and over all accepted Offers that are not Arbitrage Accepted Offers or NIV Tagged Offers.</i></p>
Total Arbitrage Volume	TAQ_j	MWh	<p>The quantity determined in accordance with Section T4.4.9.</p> <p><i>Total Arbitrage Volume is a MWh quantity equal in magnitude to both the Period Accepted Offer Volume summed over all Arbitrage Accepted Offers and the Period Accepted Bid Volume summed over all Arbitrage Accepted Bids in Settlement Period j.</i></p>
Total NIV Tagged Volume	TCQ_j	MWh	<p>The quantity determined in accordance with Section T4.4.10.</p> <p><i>Total NIV Tagged Volume is a MWh quantity equal to the total volume of Ranked Bid Volumes (where the Net Imbalance Volume is a positive number or zero) or the total volume of the Ranked Offer Volumes (where the Net Imbalance Volume is a negative number) in Settlement Period j.</i></p>

The following new acronyms shall be inserted in Annex X-2, Table X-3 after the acronym CSOBM_j:

Acronym	Units	Corresponding Defined Term or Expression
<u>DABVⁿ_{.ij}</u>	<u>MWh</u>	<u>Deemed Available Bid Volume</u>
<u>DAOVⁿ_{.ij}</u>	<u>MWh</u>	<u>Deemed Available Offer Volume</u>

The following new acronyms shall be inserted in Annex X-2, Table X-3 after the acronym MDC_m:

<u>MEL_{ij}</u>	<u>MWh</u>	<u>Period MEL</u>
<u>^fMEL_{itr}</u>	<u>MW</u>	<u>Point MEL</u>
<u>MEL_{ij}^f(t)</u>	<u>MW</u>	<u>MEL Submission</u>
<u>MEL_{ij}(t)</u>	<u>MW</u>	<u>Adopted MEL</u>

The following new acronyms shall be inserted in Annex X-2, Table X-3 after the acronym MELNGC

<u>MIL_{ij}</u>	<u>MWh</u>	<u>Period MIL</u>
<u>^fMIL_{itr}</u>	<u>MW</u>	<u>Point MIL</u>
<u>MIL_{ij}^f(t)</u>	<u>MW</u>	<u>MIL Submission</u>
<u>MIL_{ij}(t)</u>	<u>MW</u>	<u>Adopted MIL</u>

The following new acronym shall be inserted in Annex X-2, Table X-3 after the acronym qBOⁿ_{ij}(t):

<u>QBOⁿ_{ij}</u>		<u>Period Bid-OfFer Volume</u>
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The following acronyms shall be deleted in Annex X-2, Table X-3:

DMAT	MWh	De-Minimis-Acceptance-Threshold
QAPB_{knij}	MWh	Period Priced-Accepted-Bid-Volume
QAPB_{nij}	MWh	Period-BM-Unit-Total Priced-Accepted-Bid-Volume
QAPO_{knij}	MWh	Period Priced-Accepted-Offer-Volume
QAPO_{nij}	MWh	Period-BM-Unit-Total Priced-Accepted-Offer-Volume
SBVA_j	MWh	Buy-Price-Volume-Adjustment-(System)
SSVA_j	MWh	Sell-Price-Volume-Adjustment-(System)
TAQ_j	MWh	Total-Arbitrage-Volume
TCQ_j	MWh	Total-NIV-Tagged-Volume
TQPAB_j	MWh	Total-Accepted-Priced-Bid-Volume
TQPAO_j	MWh	Total-Accepted-Priced-Offer-Volume
TTQUAB_j	MWh	NIV-Tagged-System-Total-Un-priced-Bid-Volume

TTQUAQ₃	MWh	NIV Tagged System Total Un-priced Offer Volume
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