

## LEGAL TEXT FOR PROPOSED MODIFICATION P316

### SECTION T: SETTLEMENT AND TRADING CHARGES (V23)

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, For~~ the purposes of the Code the "Price Average Reference Volume" (PAR) shall be ~~50050~~ 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 ~~1001~~ MWh.

Amend paragraph 4.4 to read as follows:

#### 4.4 Determination of Energy Imbalance Prices (SBP<sub>j</sub> and SSP<sub>j</sub>)

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  $\{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAB_j^m\}$  is not equal to zero:

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

$$SBP_j = \{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * PO_{ij}^n * TLM_{ij}\} + \sum^m \{QBSAB_j^m * BSAP_j^m\}\} / \{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAB_j^m\} + \{BPA_j\}$$

where  $\sum_i$  represents the sum over all BM Units,  $\sum^n$  represents the sum over all accepted Offers in the Final Ranked Set of System Buy Actions,  $\sum^k$  represents the sum over all Acceptances within the Settlement Period, and  $\sum^m$  represents the sum over all Balancing Services Adjustment Buy 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  $\{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAB_j^m\}$  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<sub>j</sub>);~~

~~(ii) if the Net Imbalance Volume is a negative number and SSP<sub>j</sub> as determined in accordance with paragraph 4.4.3(a) would exceed the Market Price, then SBP<sub>j</sub> shall instead be equal to SSP<sub>j</sub> 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  $\{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAS_j^m\}$  is not equal to zero:

- (a) ~~if the Net Imbalance Volume is not equal to zero, and is a negative number, and  $\{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAS_j^m\}$  is not equal to zero, then~~ the System Sell Price will be determined as follows:

$$SSP_j = \{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * PB_{ij}^n * TLM_{ij}\} + \sum^m \{QBSAS_j^m * BSAP_j^m\}\} / \{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAS_j^m\} + \{SPA_j\}$$

where  $\sum_i$  represents the sum over all BM Units,  $\sum^n$  represents the sum over all accepted Bids in the Final Ranked Set of System Sell Actions,  $\sum^k$  represents the sum over all Acceptances within the Settlement Period, and  $\sum^m$  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  $\{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAS_j^m\}$  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,  $\{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAB_j^m\}$  or  $\{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAS_j^m\}$  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:

$$\sum_s QXP_{sj} = 0$$

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

then and

-(notwithstanding paragraphs 4.4.2(b) and 4.4.3(b)):

- (a) ~~if the Net Imbalance Volume is a positive number, and  $\{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAB_j^m\}$  or  $\{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAS_j^m\}$  is not equal to zero,~~
- ~~then  $SBP_j$  shall be zero and  $SSP_j$  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  $\{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAB_{ij}^m\}$  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  $\{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAS_{ij}^m\}$  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  $\{\sum_i \sum^n \sum^k \{QAB_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAS_{ij}^m\}$  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.~~