

LEGAL TEXT FOR PROPOSED MODIFICATION P327

We have prepared these changes against the relevant Code sections including the approved P305 changes.

SECTION Q: BALANCING MECHANISM ACTIVITIES (Version 24.0+P305)

1.1 Scope

Amend paragraph 1.1.1 to read as follows (correction of paragraph lettering):

1.1.1 This Section Q provides for:

- (a) the submission of data items in respect of relevant BM Units in accordance with the Grid Code;
- (b) the submission of Physical Notifications in accordance with the Grid Code such as to enable Final Physical Notification Data to be submitted by the Transmission Company and Point FPNs to be established by the SAA in respect of BM Units for each Settlement Period;
- (c) the submission of Final Physical Notification Data to enable Period FPNs to be established by the ECVAA in respect of Interconnector BM Units and for each Credit Qualifying BM Unit for each Settlement Period;
- (d) arrangements for the submission by Lead Parties of Bid-Offer Pairs in respect of relevant BM Units and for the acceptance of Bids and Offers by the Transmission Company;
- (e) the submission by the Transmission Company of Acceptance Data for the purposes of Section T and Section V;
- (f) the submission by the Transmission Company of Balancing Services Adjustment Data for the purposes of Settlement;
- (g) the submission by the Transmission Company to the BMRA of other operational data items for the purposes of Section V;
- (h) the submission of "**Large Combustion Plant Data**" (LCP Data) in respect of BM Units associated with "**Large Combustion Plants**" (LCPs) by relevant BSC Parties for the purposes of Section V;
- (i) the submission by BSCCo to the BMRA of LCP Data for the purposes of Section V;
- (j) the submission by the Transmission Company of Transparency Regulation Data to the BMRA for the purposes of Section V; ~~and~~
- (k) the submission by relevant Market Participants of Inside Information Data to the BMRA via the Transmission Company or BSCCo (as the case may be) for the purpose of Section V; ~~and~~
- (l) the submission by the Transmission Company of Loss of Load Probability values and Demand Control Event data for the purposes of Section R, Section S, Section T and Section V.

6.9 Demand Control Instructions

Amend new paragraph 6.9.2 as follows:

- 6.9.2 For the purposes of paragraph 6.89, a Demand Control Event shall be:
- (a) a demand disconnection instructed by the Transmission Company;
 - (b) a voltage reduction instructed by the Transmission Company; and/or
 - (c) an automatic low frequency Demand Disconnection,
- in each case as set out in OC6 of the Grid Code.

ANNEX S-2: SUPPLIER VOLUME ALLOCATION RULES (Version 20.0+P305)

8. NON HALF HOURLY METERING SYSTEM CONSUMPTION

8.2 Settlement Period disconnection by Supplier

Amend new paragraph 8.2.4 as follows:

- 8.2.4 For each Half Hourly Disconnection (Non Losses) (D_{inj}) value determined pursuant to paragraph 8.42.3A, the SVAA shall determine the Half Hourly Disconnection (Losses) ($DLOSS_{inj}$) for each Supplier BM Unit "i" for Consumption Component Class "N" (which Consumption Component Class shall be a Consumption Component Class for line losses) according to the following formula:

$$DLOSS_{inj} = \sum^{(vv)}_L ((LLF_{Lj} - 1) * \sum^{(vv)}_{PR} BMPD_{iLPRj})$$

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

SECTION T: SETTLEMENT AND TRADING CHARGES (Version 23.0+P305)

3. SETTLEMENT OF BALANCING MECHANISM ACTIONS

Amend the title of new paragraph 3.15 as follows:

- 3.15 **Determination of System and Balancing Demand Control Volumes_s ($QSDC_{cj}$ and $QBDC_{cj}$)**

Amend new paragraph 3.15.3 as follows:

- 3.15.3 In respect of each Demand Control Event and each Settlement Period:
- (a) the "System Demand Control Volume" ($QSDC_{cj}$) shall be equal to the sum of the Demand Control Volumes determined under paragraph 3.15.2 where the related Demand Control ~~Volume Notice Instructions~~ has have the same Demand

Control Instruction identification number and included a SMAF Flag set to "Yes";

- (b) the "Balancing Demand Control Volume" (QBDC_{ij}) shall be equal to the sum of the Demand Control Volumes determined under paragraph 3.15.2 where the related Demand Control Volume Notice Instructions has have the same Demand Control Instruction identification number and included a SMAF Flag set to "No".

4. SETTLEMENT CALCULATIONS

Amend paragraph 4.4 to read as follows:

4.4 Determination of Energy Imbalance Prices (SBP_j and SSP_j)

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

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

- (a) the System Buy Price will be determined as follows:

$$SBP_j = \{\sum_i \sum^n \sum^k \{QAO^{kn}_{ij} * PO^n_{ij} * TLM_{ij}\} + \sum^m \{QBSAB^m_j * BSAP^m_j\} + \sum^t \{QSIV^t_j * STAP^t_j\} + \{QSDC_j + QBDC_j\} * VoLL\} / \{\sum_i \sum^n \sum^k \{QAO^{kn}_{ij} * TLM_{ij}\} + \sum^m QBSAB^m_j + \sum^t QSIV^t_j + \sum_c QSDC_{cj} + \sum_c QBDC_{cj}\} + \{BPA_j\}$$

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, \sum^m represents the sum over all Balancing Services Adjustment Buy Actions in the Final Ranked Set of System Buy Actions, ~~and~~ \sum^t represents the sum over all STOR Actions in the Final Ranked Set of System Buy Actions, and \sum_c represents the sum over all Demand Control Instructions; and

- (b) 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 $\{\sum_i \sum^n \sum^k \{QAB^{kn}_{ij} * TLM_{ij}\} + \sum^m QBSAS^m_j\}$ is not equal to zero:

- (a) the System Sell Price will be determined as follows:

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

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

4.4.3A In respect of each Settlement Period, if the Net Imbalance Volume is equal to zero, or if the Net Imbalance Volume is not equal to zero and is a positive number and $\{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAB_j^m + \sum^t QSIV_j^t + \underline{\sum^c} QSDC_{cj} + \underline{\sum^c} QBDC_{cj}\}$ is equal to zero, or 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 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, if the Net Imbalance Volume is equal to zero, or if the Net Imbalance Volume is not equal to zero and is a positive number and $\{\sum_i \sum^n \sum^k \{QAO_{ij}^{kn} * TLM_{ij}\} + \sum^m QBSAB_j^m + \sum^t QSIV_j^t + \underline{\sum^c} QSDC_{cj} + \underline{\sum^c} QBDC_{cj}\}$ is equal to zero, or 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 equal to zero, then:

- (a) the System Buy Price will be equal to zero; and
- (b) the System Sell Price shall be equal to the System Buy Price as determined in 4.4.4(a).

Annex T-1: Final Ranked Set of System Actions

Part 1 – Derivation of Final Ranked Set of System Actions

1. INTRODUCTION

Amend paragraph 1.2 to read as follows:

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

- (a) in relation to a BM Unit and an Acceptance, an "**accepted Offer**" means the Period Accepted Offer Volume (QAO_{ij}^{kn}), and an "**accepted Bid**" means the Period Accepted Bid Volume (QAB_{ij}^{kn}) but excluding Offers and Bids where the value of Period Accepted Offer Volume or Period Accepted Bid Volume (as the case may be) is zero or which are STOR Actions;
- (b) a "**System Buy Action**" (QSB_j^w) means:
 - (i) in relation to each BM Unit, an accepted Offer that is not a STOR Action;

- (ii) in relation to each Balancing Services Adjustment Buy Action, the Balancing Services Adjustment Buy Volume (QBSAB^m_j) that is not a STOR Action;
- (iii) in relation to each STOR Action, the STOR Instructed Volume (QSIV^t_j);
- (iv) in relation to each Demand Control Impacted Settlement Period, the System Demand Control Volume (QSDC_{cj}); and
- (v) in relation to each Demand Control Impacted Settlement Period, the Balancing Demand Control Volume (QBDC_{cj}).

ANNEX X-2: TECHNICAL GLOSSARY (Version 34.0+P305)

Table X-1

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

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

Symbol	Parameter
<u>c</u>	<u>Demand Control Instruction</u>

Table X-2

Terms and Expressions Applying Except in Relation to Section S

Amend the following new terms and expressions in Table X-2 as follows:

Defined Term	Acronym	Units	Definition/Explanatory Text
Balancing Demand Control Volume	QBDC _{cj}	MWh	Has the meaning given to it in Section T3.15.3(b).
Final Loss of Load Probability	LoLP _j		In relation to a Settlement Period, the final probability to be provided by the Transmission Company in accordance with the Loss of Load Probability Calculation Statement and Section Q6.8.7.42 or Q6.8.4, as applicable.
STOR Action			A Short Term Operating Reserve action <u>Accepted Offer derived from a STOR Flagged BOA</u> taken by the Transmission Company during a STOR Availability Window in order to increase generation or reduce demand.
STOR Instructed Volume	QSIV ^t _j	MWh	In respect of each STOR Action, the <u>The Period Accepted Offer</u> Volume in respect of each STOR Action of Short Term Operating Reserve instructed by the Transmission Company in order to increase generation or reduce demand.

Defined Term	Acronym	Units	Definition/Explanatory Text
System Demand Control Volume	QSDC _{gj}	MWh	Has the meaning given to it in Section T3.15.3(a).

Table X-3

Glossary of Acronyms Applying Except In Relation To Section S

Amend the following new acronyms in Table X-3 as follows:

Acronym	Units	Corresponding Defined Term or Expression
QBDC _{gj}	MWh	Balancing Demand Control Volume
QSDC _{gj}	MWh	System Demand Control Volume