

SECTION V: REPORTING BSC/V9.0 and including those paragraphs of Section V amended by Modification P78 which has been approved but not yet implemented.

2. BMRS

2.1 General

2.1.1 This paragraph 2 sets out details of the BMRS to be provided by the BMRA.

2.1.2 The BMRS is a service for reporting to Parties and others and publishing:

- (a) data relating to the Transmission System (and established pursuant to the Grid Code) or relating to the arrangements provided for or referred to in Section Q, provided by (or converted from data provided by) the Transmission Company;
- (b) data (derived in whole or part from the data referred to in paragraph (a)) established by the BMRS pursuant to paragraph 2.6;
- (c) certain other data as provided or referred to in paragraph 2.7 or elsewhere in the Code.

2.1.3 In this paragraph 2:

- (a) "**BMRS data**" means data to be made available on the BMRS pursuant to this paragraph 2;
- (b) the "**BMRS Specification**" is the technical specification of the BMRS contained in the Communication Requirements Document for the BMRA pursuant to Section O.

2.1.4 The provision of data to the BMRA and the reporting of data on the BMRS are separate arrangements from any arrangements for the submission of data for the purposes of Section Q and/or for the purposes of Settlement, and (without prejudice to the provisions of Section M3.5) nothing contained in this paragraph 2 may give rise to any Trading Dispute.

2.2 Specification of BMRS

2.2.1 The BMRA shall operate and make available the BMRS in accordance with this paragraph 2 and Table 1 in Annex V-1 and the BMRS Specification.

2.2.2 Table 1 sets out:

- (a) the data referred to in paragraph 2.1.2(a) and (b) which is to be available on the BMRS and the periods to which such data relate;
- (b) the frequency with which such data is to be available on the BMRS;
- (c) the format (in accordance with paragraph 2.4) in which such data is to be available on the BMRS;
- (d) the basis for establishing default values (if any) for the purposes of paragraph 2.2.3.

2.2.3 For certain kinds of data set out in Table 1, where data (for a particular period) is not provided to the BMRA for inclusion on the BMRS by the time required under Section Q, default values for such data shall be included on the BMRS as and where so provided in Table 1.

2.2.4 Unless otherwise specified in this paragraph 2 or Table 1, all BMRS data will remain available on the BMRS (except that errors in such data may be corrected) until no earlier than the expiry of a period of 12 months after:

- (a) the Settlement Day to which such data relates; or the date (following the carrying out of a Settlement Run), on which such data was published, whichever is the later; or
- (b) in the case of forecast data, the day on which such data was provided.

2.3 Grades of service

2.3.1 The BMRA shall make available the BMRS as follows:

- (a) a High Grade Service, for which:
 - (i) a Party (other than BSCCo) is required to pay the relevant Specified BSC Charges in accordance with Section D,
 - (ii) any other person (other than the Authority) shall be required to make payments as provided in paragraph 2.3.45(a)

shall be made available to any Party and (subject to paragraph 2.3.45) any other person, on request; and

- (b) a Low Grade Service shall be made available, without charge, to any person; in each case, as further specified in the BMRS Specification.

2.3.2 The High Grade Service and Low Grade Service will be made available by the respective means specified in the BMRS Specification.

2.3.3 BMRS data will be available on the BMRS as follows:

- (a) data provided by the Transmission Company pursuant to Section Q (and listed in Table 1) will be available within 5 minutes after the BMRA received such data from the Transmission Company;
- (b) data relating to a Settlement Period and established by the BMRA in accordance with paragraph 2.6 will be available within 45 minutes after the end of the relevant Settlement Period;
- (c) data provided by the SAA following each Settlement Run carried out in accordance with the Settlement Calendar pursuant to Section U2.4, shall be available within one Working Day after the BMRA received such data from the SAA.

2.3.4 For the avoidance of doubt BMRS data may be retrieved in respect of the following:

- (a) multiple BM Units; and/or
- (b) multiple Settlement Days.

2.3.45 The High Grade Service of the BMRS will be made available upon request to a person (other than the Authority) which is not a Party:

- (a) subject to the payment by such person of

- (i) a one-off administration charge of such amount as the Panel shall from time to time determine (and until the Panel has so determined, of £250);
 - (ii) charges equivalent to (and in amounts the same as those for the time being determined by the Panel for) the BSC Specified Charges in paragraphs 3.1(d) and (e), 3.3 and 3.4 (as applicable) of Annex D-3; and
- (b) provided that such person has entered into and remains party to an agreement with BSCCo, in such form as BSCCo with the approval of the Panel may from time to time determine, providing for the payment of the amounts in paragraph (a) and such other matters as BSCCo may determine in relation to the availability of such service, the provision of any associated hardware and software and the use of such hardware and software by such person.

2.5 Supporting obligations of BMRA – receipt of data

2.5.1 The BMRA shall:

- (a) receive data from the Transmission Company, at such times and with such frequency as provided in Section Q, as provided below in this paragraph 2.5;
- (b) receive data from the CRA and BSCCo as provided below in this paragraph 2.5;
- ~~(c)~~ receive data from the SAA as provided below in this paragraph 2.5;
- ~~(e)~~(d) report to the person providing such data any failure to provide the data or to provide it in the form required under the Code;
- ~~(d)~~(e) store all such data received by the BMRA for a period of at least 12 months commencing on the Settlement Day or earliest Settlement Day to which such data relates, or (in relation to forecast data) day on which such data was provided, or (in relation to data received from the SAA in accordance with paragraph (c) above) or calculated by the BMRA following each Settlement Run, the date of publication of such data by the BMRA.

2.5.2 The data to be received by the BMRA is as follows:

- (a) from the Transmission Company (pursuant to Section Q) the data items specified in Section Q6 as being provided to the BMRA;
- (b) from the CRA (pursuant to Section K) BM Unit registration data;
- ~~(c)~~ from the SAA (pursuant to the Settlement Report identified within the Reporting Catalogue) the data items specified in the Reporting Catalogue as being provided to the BMRA;
- ~~(e)~~ from BSCCo the data items listed below:
 - ETLMO⁺
 - ETLMO⁻
 - BRL_j

in each case, following determination by and then as and when revised by the Panel pursuant to paragraph 2.6.3 or Section T1.5 (as the case may be).

2.6 Indicative data

2.6.1 For the purposes of this paragraph 2:

- (a) 'Indicative' in relation to any term defined in the Code (and 'I' as a prefix to the acronym for any such term) means determined on an estimated basis for the purposes of enabling indicative values of such term to be reported on the BMRS before all of the necessary data to calculate such term is available;
- (b) Indicative terms are determined by reference:
 - (i) to the estimates $ETLMO^+$ and $ETLMO^-$ (rather than values of $TLMO^+$ and $TLMO^-$), and/or
 - (ii) to the Indicative Balancing Services Adjustment Data (rather than values of Balancing Services Adjustment Data); and/or
 - (iii) to values of any other Indicative such term.

2.6.2 Indicative terms shall be estimates only and are established for the purposes of the BMRS only, and shall not replace and shall be without prejudice to the determination and application of the relevant term (on a definitive and not Indicative basis) for the purposes of Settlement and all other purposes of the Code.

2.6.3 For the purposes of the Code:

- (a) $ETLMO^+$ and $ETLMO^-$ are such estimated values as the Panel shall from time to time determine to be used as assumed values of Transmission Loss Multipliers for the purposes of this paragraph 2.6;
- (b) Indicative Balancing Services Adjustment Data are the data submitted by the Transmission Company to the BMRA pursuant to Section Q6.3.1(a) in respect of each Settlement Period in a Settlement Day.

2.6.4 The BMRA shall calculate:

- (a) Indicative Period BM Unit Total Accepted Bid Volume ($IQAB_{ij}^n$), and
- (b) Indicative Period BM Unit Total Accepted Offer Volume ($IQAO_{ij}^n$)

in accordance with the rules in Section T2 and Section T3 save that in each case the terms $IQAB_{ij}^n$ and $IQAO_{ij}^n$ shall (for the purposes of this paragraph 2.6 only) be substituted for the terms QAB_{ij}^n and QAO_{ij}^n in Section T.

2.6.5 The BMRA shall calculate **and report:**

- (a) the Indicative Net Imbalance Volume ($INIV_j$);
- (b) the Indicative System Buy Price ($ISBP_j$); and
- (c) the Indicative System Sell Price ($ISSP_j$)

in accordance with the rules in Section T4.4 save that in each case the terms ETLMO⁺, ETLMO⁻, the Indicative Balancing Services Adjustment Data and (where applicable) other Indicative terms, shall (for the purposes of this paragraph 2.6 only) be substituted for the terms TLMO⁺, TLMO⁻, the Balancing Services Adjustment Data and other relevant terms in Section T.

2.6.6 The BMRA shall calculate:

- (a) the Indicative Period BM Unit Bid Cashflow (ICBⁿ_{ij}), and
- (b) the Indicative Period BM Unit Offer Cashflow (ICOⁿ_{ij})

in accordance with the rules in Section T3 save that in each case the terms ETLMO⁺, ETLMO⁻, IQABⁿ_{ij}, IQAOⁿ_{ij}, ICBⁿ_{ij} and ICOⁿ_{ij} shall (for the purposes of this paragraph 2.6 only) be substituted for the terms TLMO⁺, TLMO⁻, QABⁿ_{ij}, QAOⁿ_{ij}, CBⁿ_{ij} and COⁿ_{ij} in Section T.

2.6.7 The BMRA shall calculate and report:

the Residual Cashflow Price, calculated in £/MWh, RCP_j is calculated by:

$$RCP_j = TRC_j / \{ \sum_a \{ \sum_i^+ (QCE_{a ij}) + \sum_i^- (-QCE_{a ij}) \} \}$$

where \sum_i^+ is, for each Energy Account a in Settlement Period j, the sum over all BM Units i that are in delivering Trading Units, and

and \sum_i^- is, for each Energy Account a in Settlement Period j, the sum over all BM Units i that are in offtaking Trading Units, and

and \sum_a represents the sum over all Energy Accounts a, other than the TC (Non-IEA) Energy Accounts held by the Transmission Company.

2.6.8 Where the BMRA displays Indicative data, such data will be replaced by actual data where appropriate, following each Settlement Run carried out in accordance with Section U2.

2.6.79 In the event that the BMRA is unable to calculate INIV, ISBP, ISSP, Indicative Period BM Unit Total Accepted Bid or Offer Volumes or Indicative Period BM Unit Bid and Offer Cashflows, or any other Indicative data in paragraph 2.6.5, in accordance with this paragraph 2.6, it shall:

- (a) where such inability is as a result of the receipt or otherwise of data required from the Transmission Company, contact the Transmission Company to seek to resolve such matter; and
- (b) in any event, report the matter to BSCCo,

provided that, in the case of Market Index Data, where the BMRA has not received Market Index Data in respect of a Settlement Period from a Market Index Data Provider, it shall calculate ISBP and ISSP substituting zero values in place of such missing Market Index Data and, in that event, shall post a warning message to that effect on the BMRS.

2.7 Additional data

2.7.1 In addition to the data specified in Table 1, the data referred to in paragraph 4.3 will be available on the BMRS if the Panel so determine in accordance with paragraph 4.3.

2.8 Additional Querying Facilities

2.8.1 Additional facilities will be available to users of the BMRS Low Grade Service. These facilities will allow users of the BMRS Low Grade Service to undertake queries on the data published on the BMRS Low Grade Service. The technical specification of these additional querying facilities is defined within the BMRS Specification.

ANNEX V-1: TABLES OF REPORTS

TABLE 1 -BMRS

Notes:

1. Column 1 (data and relevant settlement periods) specifies the data which is to be made available and (where relevant) the half hour(s) or Settlement Period(s) in any day or week to which the data relates. SP refers to the Settlement Period in respect of which data is provided.
2. Column 2 (frequency) specifies the frequency with which data is provided.
3. Column 3 (format) specifies (by reference where relevant to the day D on which data is made available on BMRS) the format in which data is made available.
4. Column 4 (default) specifies whether and, if so, the basis upon which default values will be provided as referred to in paragraph 2.2.3.
5. In all columns, D or W refers to the day on or week in which data is made available on BMRS.
6. Section Q sets out the times by which and the frequency with which the Transmission Company is required to provide data to the BMRA to be posted on the BMRS.
7. Terms not otherwise defined in the Code have the meanings ascribed to them in the Grid Code.
8. Data within the Settlement Report (as defined within the Reporting Catalogue) that is passed from the SAA to the BMRA will be used to replace Indicative data reported on the BMRS following each Settlement Run.

DATA AND RELEVANT SETTLEMENT PERIODS	FREQUENCY	FORMAT	DEFAULT
2-14 day ahead National Demand forecast (NDFD) – daily peak half hour value	Daily	Tabular	Previous forecast
2-52 week ahead National Demand forecast (NDFW) – weekly peak half hour value	Weekly	Tabular	Previous forecast
Day ahead National Demand forecast – value for each half hour	Daily	Tabular and graphic for D-1, D to D+1. Otherwise tabular	Previous forecast
Day ahead National Indicated Generation (INDGEM) and Demand (INDDEM) forecast – value for each half hour	Daily	Tabular and graphic for D-1, D to D+1. Otherwise tabular	Previous forecast

DATA AND RELEVANT SETTLEMENT PERIODS	FREQUENCY	FORMAT	DEFAULT
Updates of day ahead Indicated Imbalance (IMBALNGC), INDGEM, INDDDEM and NGC Demand forecast (DF) – values for each half hour or each remaining half hour in day D	5 times each day	Tabular and graphic for D-1, D to D+1. Otherwise tabular	Previous forecast
2-14 day ahead Surplus forecast (SPLD) – daily peak half hour value	Each Business Day	Tabular	Previous forecast
2-52 week ahead Surplus forecast (SPLW) – weekly peak half hour value	Weekly	Tabular	Previous forecast
Day ahead Indicated Margin (MELNGC) - values for each half hour	Daily	Tabular and graphic for D-1, D to D+1. Otherwise tabular	None
Update of MELNGC – values for each half hour or each remaining half hour in day D	5 times each day	Tabular and graphic for D-1, D to D+1. Otherwise tabular	Previous forecast
System warnings (SYS_WARN)	When received	Text message only	None
Balancing Services Adjustment Data (BSAD) <u>(Including tagged and untagged volumes)</u>	Daily*	Tabular	None
Initial National Demand Out-turn (INDO)	Half hourly	Tabular and graphic for D-1 and D. Otherwise tabular	None
<u>Indicative Net Imbalance Volume (INIV_j)</u>	<u>Half Hourly</u>	<u>Tabular</u>	<u>None</u>
<u>Net Imbalance Volume (NIV_j)</u>	<u>As received</u>	<u>Tabular</u>	<u>Value from previous Settlement Run</u>
Indicative System Buy Price (ISBP _j) – value for each SP	Half hourly	Tabular and graphic for D-1 and D. Otherwise tabular	None
Indicative System Sell Price (ISSP _j) – value for each SP	Half hourly	Tabular and graphic for D-1 and D. Otherwise tabular	None
Indicative Period BM Unit Total Accepted Bid and Offer Volumes (IQAB ⁿ _{ij} and IQAO ⁿ _{ij}) – value for each SP	Half hourly	Tabular and graphic for D-1 and D. Otherwise tabular	None
Indicative Period Balancing Mechanism Bid and Offer Cashflows (ICB ⁿ _{ij} and	Half hourly	Tabular and graphic for D-1 and D.	None

DATA AND RELEVANT SETTLEMENT PERIODS	FREQUENCY	FORMAT	DEFAULT
ICO ⁿ _{ij}) – value for each SP		Otherwise tabular	
Final Physical Notification Data per BM Unit Quiescent Physical Notification Data	As received	Tabular and graphic for D-1 and D. Otherwise tabular	None
Bid-Offers Pairs per BM Unit (prices and MW volumes)	As received	Tabular and graphic for D-1 and D. Otherwise tabular	None
Changes to Dynamic Data Set and Maximum Export Limit/Maximum Import Limit items per BM Unit (MEL, MIL, RURE, RURI, RDRE, RDRI, NDZ, NTO, NTB, MZT, MNZT, SEL, SIL, MDV, MDP) per BM Unit	As received	Tabular and graphic for D-1 and D. Otherwise tabular.	Previously submitted Dynamic Data Set
Acceptance Data per BM Unit	As received	Tabular and graphic for D-1 and D. Otherwise tabular	None
Period Balancing Mechanism Bid and Offer Cashflows (CBⁿ_{ij} and COⁿ_{ij}) – value for each SP	As received	Tabular	Value from previous Settlement Run otherwise Indicative Period Balancing Mechanism Bid and Offer Cashflows (ICBⁿ_{ij} and ICOⁿ_{ij})
System Buy Price (SBP_j)	As received	Tabular and graphic	Value from previous Settlement Run otherwise Indicative System Buy Price (ISBP_j)
System Sell Price (SSP_j)	As received	Tabular and graphic	Value from previous Settlement Run if applicable otherwise Indicative

DATA AND RELEVANT SETTLEMENT PERIODS	FREQUENCY	FORMAT	DEFAULT
			System Sell Price (ISSP_i)
Zonal day ahead Demand forecast – values for each half hour in each BMRS Zone	Daily	Tabular and graphic	None
Zonal day ahead Indicated Generation and Indicated Demand forecast – values for each half hour in each BMRS Zone	Daily	Tabular and graphic	None
Zonal update of Indicated Demand, Indicated Generation and Indicated Imbalance - values for each BMRS Zone and each half hour or each remaining half hour in day D	5 times each day	Tabular and graphic	Previous forecast
Transmission Loss Multiplier (TLM_{ij})	As received	Tabular	Value from previous Settlement Run if applicable otherwise none
BM Unit Metered Volume (QM_{ij})	As received	Tabular	Value from previous Settlement Run if applicable otherwise none
Account Energy Imbalance Volume(QAEL_{aj})	As received	Tabular	Value from previous Settlement Run if applicable otherwise none
Residual Cashflow Price (RCP_j)	As Received	Tabular	Value from previous Settlement Run if applicable otherwise none
-System Total Accepted Offer Volume (TQAO_j)	As received	Tabular	Value from previous Settlement Run if applicable otherwise none
System Total Accepted Bid Volume (TQAB_j)	As received	Tabular	Value from previous Settlement Run if applicable

DATA AND RELEVANT SETTLEMENT PERIODS	FREQUENCY	FORMAT	DEFAULT
			otherwise none
System Total Un-priced Accepted Offer Volume (TQUAO_j)	As received	Tabular	Value from previous Settlement Run if applicable otherwise none
System Total Un-priced Accepted Bid Volume (TQUAB_j)	As received	Tabular	Value from previous Settlement Run if applicable otherwise none
Total Accepted Priced Bid Volume (TQPAB_j)	As received	Tabular	Value from previous Settlement Run if applicable otherwise none
Total Accepted Priced Offer Volume (TOPAO_j)	As received[‡]	Tabular	Value from previous Settlement Run if applicable otherwise none