133/08

INITIAL WRITTEN ASSESSMENT for Modification Proposal P219 'Consistency between Forecast and Out-turn Demand'

Prepared by: ELEXON Limited[1]

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Reason for Issue:	For Panel decision	**Version Number:**	1.0

This document has been distributed in accordance with Section F2.1.10 of the Balancing and Settlement Code.[2]

P219 seeks to remove ambiguity surrounding the forecast and out turn demand data reported on the BMRS (Balancing Mechanism Reporting System) and to align the BSC provisions with the Grid Code. P219 aims to achieve this by providing two sets of data to the BMRS for both, Demand forecast and Demand Out-turn. P219 will introduce the definition of Transmission System Demand (into the BSC) which will be aligned with the definitions in the Grid Code.

BSCCO'S RECOMMENDATIONS

On the basis of the initial assessment, BSCCo invites the Panel to:

- **DETERMINE that Modification Proposal P219 should be submitted to the Assessment Procedure;**
- **AGREE the Assessment Procedure timetable such that an Assessment Report should be completed and submitted to the Panel for consideration at its meeting of 17 January 2008;**
- **DETERMINE that the P219 Modification Group be formed from members of the Settlement Standing Modification Group (SSMG); and**
- **AGREE the Modification Group Terms of Reference.**

[1] ELEXON Ltd fulfils the role of the Balancing and Settlement Code Company ('BSCCo'), pursuant to Annex X-1 of the Balancing and Settlement Code (the 'Code').
[2] The current version of the Code can be found at http://www.elexon.co.uk/bscrelateddocs/BSC/default.aspx.

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SUMMARY OF IMPACTED PARTIES AND DOCUMENTS

As far as BSCCo has been able to assess, the following parties/documents are potentially impacted by Modification Proposal P219.

Please note that this table represents a summary of the full initial impact assessment results contained in Appendix 2.

Parties		Party Agents		BSC Agents		Other Agents	
Distribution System Operators	☐	Data Aggregators	☐	SAA	☐	Supplier Meter Registration Agent	☐
Generators	☒	Data Collectors	☐	FAA	☐	Unmetered Supplies Operator	☐
Interconnectors	☒	Meter Administrators	☐	BMRA	☒	Data Transfer Service Provider	☐
Licence Exemptable Generators	☒	Meter Operator Agents	☐	ECVAA	☐		
Non-Physical Traders	☒	ECVNA	☐	CDCA	☐		
Suppliers	☒	MVRNA	☐	TAA	☐		
Transmission Company	☒			CRA	☐		
				SVAA	☐		
				Teleswitch Agent	☐		
				BSC Auditor	☐		
				Profile Administrator	☐		
				Certification Agent	☐		

Sections of the BSC	
A	☐
B	☐
C	☐
D	☐
E	☐
F	☐
G	☐
H	☐
I	☐
J	☐
K	☐
L	☐
M	☐
N	☐
O	☐
P	☐
Q	☒
R	☐
S	☐
T	☐
U	☐
V	☒
W	☐
X	☒

Code Subsidiary Documents		Core Industry Documents		BSCCo		BSC Panel/Panel Committees		Other	
BSC Procedures	☐	Ancillary Services Agreement	☐	Internal Working Procedures	☐	Working Practices	☐	Market Index Data Provider	☐
Codes of Practice	☐	British Grid Systems Agreement	☐					Market Index Definition Statement	☐
BSC Service Descriptions	☒	Data Transfer Services Agreement	☐					System Operator-Transmission Owner Code	☐
Party Service Lines	☐	Distribution Code	☐					Transmission Licence	☐
Data Catalogues	☐	Distribution Connection and Use of System Agreement	☐						
Communication Requirements Documents	☐	Grid Code	☐						
Reporting Catalogue	☐	Master Registration Agreement	☐						
		Supplemental Agreements	☐						
		Use of Interconnector Agreement	☐						

1 DESCRIPTION OF PROPOSED MODIFICATION

1.1 Background

P219 has been raised following feedback in both a consultation report (Reference 1) and the standing Issue 17 'Review of Electricity Market Information' (Reference 2). One of the concerns raised was regarding the consistency between all demand figures published on the BMRS in order to improve market signals by providing additional and clearer information in the market.

The Proposer notes that none of the changes highlighted were progressed.

The Proposer believes that specific improvements to the demand data flows are an immediate step that could be taken to improve existing market information.

1.2 Modification Proposal

P219 was raised on 26 October 2007 by National Grid. This proposal seeks submission and publication of additional data on the BMRS in order to improve consistency, clarity and detail of forecast and Out-turn demand information, and allow fuller comparison of forecast and Out-turn data than can be achieved at present. This should give participants more and better information in relation to forecast and Out-turn demand, allowing more efficient operation of the market.

The proposed change seeks to change the make up, and publication on BMRS, of demand forecast and Out-turn data by providing the following new data items:

Initial Transmission System Demand Out-turn which **includes** Interconnector Metered Volume and the demand taken by station transformers and pumped storage units.

An amended National Demand forecast which does **not include** Interconnector flows and the demand taken by station transformers and pumped storage units. Currently, initial National Demand forecast data at 09.00am does not include Interconnector flows, demand taken by station transformers and pumped storage units, but later versions (11.00am) do contain these data.

1.2.1 Current Arrangements

Currently the provisions for Demand forecast have been in place since NETA and reflect the six sets of data (shown in Table 1 below) that was available to National Grid which was subsequently provided to the BMRS.

Table 1 - *Data files and processes under the Current Arrangement.*

The table below indicates the six sets of data sent by National Grid to the BMRS and indicates the relevant Settlement Periods, the frequency that the data files are sent, the format it is published in and the default rules that may apply to the data set.

Note: 'D' denotes Settlement Day

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

DATA AND RELEVANT SETTLEMENT PERIODS	FREQUENCY	FORMAT	DEFAULT
Day ahead National Demand Forecast - value for each Half hour	Daily	Tabular and graphic for D-1 and D. Otherwise tabular	Previous forecast
Updates of day ahead Indicated Imbalance (IMBALNGC), INDGEM, INDDEM and Transmission Company Demand Forecast (DF) – values for each	5 times a day	Tabular and graphic for D-1, D and D+1. Otherwise tabular	Previous forecast
Initial National Demand Out-turn (INDO)	Half hourly	Tabular and graphic for D-1, D and D+1. Otherwise tabular	None
Zonal day[3] ahead Demand forecast – values for each Half hour in each BMRS Zone	Daily	Tabular and graphic	None

The complexities that exist in the current process (between the Demand forecasts and Out-turn data) risks causing confusion to existing and particularly new participants when Demand forecast data is compared with Demand Out-turn data. This is illustrated in the following example. The 1-2 day National Demand Forecast at 09.00am **does not** include Interconnector flows or demand from station transformers or pumped storage units, but as this data becomes available it is included in later demand forecasts.

The 09.00am National Demand Forecast is directly comparable to the published Initial National Demand Out-turn (actual) demand data, **as both do not include** Interconnector flows or demand from station transformers or pumped storage units. However at a later time during the same day, revised versions of National Demand Forecasts contain data that does include Interconnector flows, pumped storage units and station transformers.

This prevents any "like for like" comparison between the National Demand Forecast data and Initial National Demand Out-turn data. The Proposer believes that this can cause confusion, despite the differences having being explained in the BMRS help text on the BMRS webpage (accessed by clicking on the 'help' link).

1.3 Definition of terms and aligning the BSC with the Grid Code.

The BSC uses the term 'National Demand' to describe all Demand forecasts, whether or not these include Interconnector flows or demand from station transformers and pumped storage units. For example "National Demand forecast" is the demand forecast which may or may not include Interconnector flows, demand from station transformers and pumped storage units.

The Grid Code (Reference 3) distinguishes between GB National Demand and GB Transmission System Demand, as shown below:

- GB National Demand **– does not** include Interconnector flows, demand taken by station transformers and pumped storage units
- GB Transmission System Demand – **does** include Interconnector flows, demand taken by station transformers and pumped storage units.

(Note – both definitions include electricity supplied from both Grid Supply Points and Embedded Large Power Stations and transmission losses. The definition of Grid Supply points in the Grid Code includes customers who are directly connected to the National Grid, unlike that in the BSC)

[3] ***Zonal day*** *ahead Transmission System Demand forecast refers to the* ***five different zones within the Transmission System (specified by the Panel)****.*

In addition to the above, further BSC definitions would need to be amended as indicated in the suggested legal text of the Modification Proposal for consistency with the Grid Code (see APPENDIX 1):

- **Indicated Imbalance** - calculated as the difference between the sum of all Physical Notifications for exporting BM units (i.e. the Indicated Generation) and Transmission System Demand forecast.
- **Indicated Margin** – calculated as the difference between the sum of all Maximum Export Limits for exporting BM units and the Transmission System Demand forecast.
- **Initial Transmission System Demand Out-turn –** The Half-Hour average MW demand metered by the Transmission Company taking into account transmission losses and including station transformer load, pumped storage demand and Interconnector demand.

1.4 Consistency between Demand forecast and Demand Out-turn data.

As previously mentioned in Section 1.2.1, the provisions for Demand forecast have been in place since NETA and reflect that data that was available to National Grid which was subsequently provided to the BMRS.

In the previously explained example (Section 1.2.1), the 1-2 day National Demand Forecast at 09.00am **does not** include Interconnector flows or demand from station transformers and pumped storage units, but is included in later demand forecasts. This Demand forecast is directly comparable to the published National Demand Out-turn (actual) demand data, as both do not include Interconnector flows or demand from station transformers and pumped storage units.

At a later time (11.00am) during the same day when additional data becomes available to the Transmission Company, revised versions of National Demand Forecasts contain data that **do include** Interconnector flows and demand from pumped storage units and station transformers.

In line with the above definitions of National and Transmission System Demand Forecast, the "Demand forecast" at 09.00am should be termed as "National Demand Forecast", whereas the "Demand Forecast" published at later times during the day, be termed as "Transmission System Demand Forecast".

To remove any uncertainty in this process, two sets of data will be published for both the National and Transmission Demand forecasts and Out-turn data on the BMRA, as shown in Table 2 (Section 2).

2 AREAS FOR CONSIDERATION IN PROGRESSING MODIFICATION PROPOSAL

An initial assessment of P219 has identified the following areas which BSCCo recommends should be considered further during the progression of the Modification Proposal:

a) BMRS webpage: Changes would be required in order to cope with the additional data from National Grid. Table 2 (see below) summarises the changes that are proposed by National Grid.

Table 2 - Data files and processes under the Modification Proposal.

The table below indicates the eleven data sets sent by National Grid to the BMRS. The additional files that would be sent to the BMRS are highlighted with white text. Alterations are shown in red text, e.g. 'National' replaced by 'Transmission System'.

Note: 'D' – Settlement Days

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
2-14 day ahead Transmission System Demand forecast (TSDFD) – daily peak Half hour value	**Daily**	**Tabular**	**Previous forecast**

DATA AND RELEVANT SETTLEMENT PERIODS	FREQUENCY	FORMAT	DEFAULT
2-52 week ahead National Demand forecast (NDFW) – weekly peak Half hour value	Weekly	Tabular	Previous forecast
2-52 week Transmission System Demand forecast (TSDFW) – 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 and D+1. Otherwise tabular	Previous forecast
Day ahead Transmission System Demand Forecast - value for each Half hour [4]	**Daily**	**Tabular and graphic for D-1, D and D+1. Otherwise tabular**	**Previous forecast**
Updates of day ahead Indicated Imbalance (IMBALNGC), INDGEM, INDDEM, National Demand Forecast and Transmission System Demand Forecast – values for each Half hour or each remaining Half hour in day D	**5 times a day**	**Tabular and graphic for D-1, D and D+1. Otherwise tabular**	**Previous forecast**
Initial National Demand Out-turn (INDO)	Half hourly	Tabular and graphic for D-1, D and D+1. Otherwise tabular	None
Initial Transmission System Demand Out-turn (ITSDO)	**Half hourly**	**Tabular and graphic for D-1, D and D+1. Otherwise tabular**	**None**
Zonal day ahead Transmission System Demand forecast – values for each Half hour in each BMRS Zone	Daily	Tabular and graphic	None

In summary the new sets of data sent from the Transmission Company to BMRA would be:

- National Demand Forecast and Transmission System Demand Forecast for all timescales; and
- Transmission System Demand Out-turn.

(The National Demand Out-turn data set will not change, and will remain the same in that it provides Out-turn data which excludes Interconnector flows and demand from station transformers and pumped storage units.)

As a consequence the text in Section Q of the BSC – 'Submission of data to the BMRA' would need to be amended to reflect the changes, as indicated in Table 2. Changes will also be required to Section V and Section X of the BSC.

b) **Market Parties** would need to be consulted on whether there is a requirement for two sets of forecasts and two sets of Out-turn data.

c) **BMRA and SAA Interface specification** document where changes need to be agreed between the Transmission Company and ELEXON, on what data is sent to ELEXON.

[4] National Grid cannot provide demand values for Interconnectors and pumped storage (Transmission System Demand forecast) for the 09:00am hour forecast. Therefore National Grid estimates these values or enters them as a 'zero' value.

3 RATIONALE FOR BSCCO'S RECOMMENDATIONS TO THE PANEL

BSCCo believes that further consideration of P219 by a Modification Group is required in order to further consider, and consult upon, the areas raised by this IWA. As the areas for consideration are sufficiently defined, BSCCo recommends that P219 proceed to the Assessment Procedure.

BSCCo recommends that P219 be submitted to a 2-month Assessment Procedure.

It is estimated that progression of P219 will require:

- 2 Modification Group meetings (the first meeting is to be shared with P220);
- 1 industry consultation (which will run in parallel with the impact assessment for P219);
- 1 impact assessment by BSC Agents, BSCCo, Parties and Party Agents;
- 1 request for Transmission Company analysis; and

The proposed timetable and estimated costs for the progression of P219 are shown in Appendix 3.

BSCCo recommends that the P219 Modification Group be formed from members of the Settlement Standing Modification Group (SSMG), whose areas of expertise include BMRS reporting. It should be noted that the Modification Group for P220 is also proposed to be formed from the SSMG, although a 3 month Assessment Procedure is planned for P220. Further information regarding the anticipated timetable for P220 can be found in the P220 IWA (Reference 4)

BSCCo recommends that the areas for consideration raised by this IWA should form the basis of the Modification Group Terms of Reference, along with any additional areas proposed by the Panel.

4 TERMS USED IN THIS DOCUMENT

Other acronyms and defined terms take the meanings defined in Section X of the Code.

Acronym/Term	Definition
BMRA	Balancing Mechanism Reporting Agent
BMRS	Balancing Mechanism Reporting System
NDFD	2-14 day ahead National Demand forecast
TSDFD	2-14 day ahead Transmission System Demand forecast
NDFW	2-52 week National Demand forecast
TSDFW	2-52 week Transmission System Demand forecast
IMBALNGC	Indicated Imbalance
INDGEM	Indicated Generation
INDDEM	Indicated Demand
ITSDO	Initial Transmission System Demand Out-turn
INDO	Initial National Demand Out-Turn
IDD	Interface Definition and Design
URS	User Requirement Specification
OAT	Operational Acceptance Testing
SSMG	Standing Settlement Modification Group

5 DOCUMENT CONTROL

5.1 Authorities

Version	Date	Author	Reviewer	Reason for Review
0.1	30/10/07	Sherwin Cotta	David Jones	For peer review
0.2	31/10/07	Sherwin Cotta	John Lucas	For technical review
0.3	01/11/07	Sherwin Cotta	David Jones	For quality review
1.0	02/11/07	Change Delivery		For Panel decision

5.2 References

Ref.	Document Title	Owner	Issue Date	Version
1	National Grid Electricity Market Information Consultation: Conclusions Report http://www.nationalgrid.com/uk/Electricity/Data/electricitymarketinfo/	National Grid	15/10/07	N/A
2	Standing Issue 17 - Review of Electricity Market Information (REMI)	National Grid	4/05/07	N/A
3	Grid Code: Glossary and Definitions http://www.nationalgrid.com/NR/rdonlyres/5DFDEFEB-DDBC-4381-8DE5-4B2087AC6AC8/18438/GD_i3r21_entire.pdf	National Grid	20/12/06	Issue 3

4	Initial Written Assessment for Modification Proposal P220 'Provision of New Data Items for improving Market Information' http://www.elexon.co.uk/changeimplementation/ModificationProcess/modificationdocumentation/modProposalView.aspx?propID=240	ELEXON	26/10/07	1.0

APPENDIX 1: MODIFICATION PROPOSAL

Modification Proposal – BSCP 40/03	MP No: 219 *(mandatory by BSCCo)*

Title *(mandatory by originator)***: Consistency between forecast and outturn demand**

Submission Date *(mandatory by originator)***: 26 October 2007**

Description of Proposed Modification *(mandatory by originator)*

The Transmission Company submits demand-related data to the BMRA in accordance with paragraph 6.1 of Section Q. Specifically, the provisions for the submission of National Demand forecasts and Initial National Demand Out-Turn are given in paragraphs 6.1.2 – 6.1.8 and 6.1.13 respectively. This data is subsequently published on the BMRS.

This proposal seeks submission and publication of additional data on the BMRS in order to improve consistency, clarity and detail of forecast and outturn demand information, and allow fuller comparison of forecast and outturn data than can be achieved at present. This should give participants more and better information in relation to forecast and outturn demand, allowing more efficient operation of the market.

The proposed change seeks to change the make up, and publication on BMRS, of demand forecast and outturn data by providing the following new data items:

1. Initial Transmission System Demand Out-Turn which **includes** Interconnector Metered Volume and the demand taken by station transformers and pumped storage units.
2. An additional National Demand forecast which does **not include** Interconnector flows and the demand taken by station transformers and pumped storage units.

The provision of the Initial Transmission System Demand Out-Turn would allow direct comparison with the current National Demand forecasts, and the provision of the additional National Demand forecast (which does not include Interconnector flows and the demand taken by station transformers and pumped storage units) would allow comparison with the current Initial National Demand Out-Turn.

Description of Issue or Defect that Modification Proposal Seeks to Address *(mandatory by originator)*

The current BSC provisions for submission and publication of demand forecast information from National Grid have been in place since NETA Go-Live and reflect the data that was at that time available to National Grid and which could be provided to the BMRS. As an example of the complexity of this data, the demand forecast at 09:00 does not include the Interconnector flows or demand taken by the pumped storage units as this data is not available at this time. When this data becomes available during the latter part of the day, it is included in the latter demand forecasts. We believe this change in forecast 'background' creates additional complexity for participants and reduces the value of the information for use in efficiently managing their physical positions.

The 09:00 demand forecast data is directly comparable with the published outturn demand data, however due to the complexities described above, the demand forecasts published during the latter part of the day are not. Although these differences are clearly explained in the BMRS help text and have previously been discussed by the industry in detail (see below), this ambiguity risks causing confusion to existing and particularly new participants when the demand forecast data is compared with the demand outturn data.

In 2005, National Grid raised BSC Issue 17 (among other proposals) which proposed to remove this ambiguity. None of the changes proposed in BSC Issue 17 were progressed, partly because of the unacceptable level of costs for implementation in the BMRS.

As part of National Grid's recent work with the industry and Elexon to review industry information, this issue

Modification Proposal – BSCP 40/03	MP No: 219 *(mandatory by BSCCo)*

has again been identified as an immediate step that could be taken to improving existing market information. (The consultation document and the conclusions report for this review on market information can be found at http://www.nationalgrid.com/uk/Electricity/Data/electricitymarketinfo/ or a copy can be obtained from the proposer of this modification). Therefore National Grid is proposing to remove the current ambiguity surrounding the forecast and outturn demand data, and to better align the BSC provisions with the Grid Code.

In summary, there are two main defects in the current BSC provisions for the demand-related data:

- The complexity of the make up of the current single demand figure submitted by National Grid under the BSC section Q at various points through the day, of which the best example is that the make up of this figure currently changes after the 0900 submission.
- The fact that this single data stream, the make up of which currently changes through the day could be better broken down into two data sets, detailed in the modification description above, and thereby provide clearer, consistent and more detailed demand forecast and outturn information to market participants via BMRS.

In summary, the proposed change would improve clarity, consistency and detail of demand-related data and as such will also allow a more direct comparison between forecast and outturn demand data.

Detailed background of current demand data definitions:

- The BSC uses the term National Demand forecast to describe all demand forecasts whether or not these forecasts include Interconnector flows and the demand taken by station transformers and pumped storage units; the Grid Code distinguishes between GB National Demand (which does not include Interconnector flows and the demand taken by station transformers and pumped storage units) and GB Transmission System Demand (includes Interconnector flows and the demand taken by station transformers and pumped storage units).
- The Initial National Demand Out-Turn does not include Interconnector flows and the demand taken by station transformers and pumped storage units whereas the National Demand forecast does. Consequently the forecast and outturn demand are not directly comparable.

Impact on Code *(optional by originator)*

Section Q

Q6.1.2(b): Shall become Q6.1.2(c), and Q6.1.2(b) shall read as follows: "the Transmission System Demand forecast expressed as an average MW value for the Settlement Period at the peak of the week".
Q6.1.3: Add to the end of this paragraph "and the peak Transmission System Demand forecast expressed as an average MW value for the Settlement Period at the peak of the Day".
Q6.1.5(b): Shall be deleted and replaced with the following: "the Transmission System Demand forecast expressed as an average MW value for each Settlement Period within the Operational Day".
Q6.1.5(c): Shall be added and read as follows: "the Zonal Transmission System Demand forecast expressed as an average MW value for each Settlement Period within the Operational Day".
Q6.1.6: Add to the end of this paragraph "(f) the Transmission System Demand forecast"
Q6.1.8: Add to the end of this paragraph "(k) the Transmission System Demand forecast"
Q6.1.8(f): Amend to read "the Zonal Transmission System Demand forecast for each BMRS Zone".
Q6.1.13: Amend to read "No later than15 minutes following the end of each Settlement Period, the Transmission Company shall send to the BMRA the Initial National Demand Out-Turn and Initial Transmission system Demand Out-Turn for that Settlement Period".

The main changes to the Code are summarised below:
Section X, Annex X-2, Table X-2

Modification Proposal – BSCP 40/03	MP No: 219 *(mandatory by BSCCo)*

Amend definition of Indicated Imbalance as follows:

Indicated Imbalance	IMBALNGC	MW	Has the meaning as defined in the Grid Code. *Calculated as the difference between the sum of all Physical Notifications for exporting BM Units (i.e. the Indicated Generation) and the Transmission System Demand forecast*

Amend definition of Indicated Margin as follows:

Indicated Margin		MW	Has the meaning as defined in the Grid Code. *Calculated as the difference between the sum of all Maximum Export Limits for exporting BM Units and the Transmission System Demand forecast*

Insert, after the defined term Initial National Demand Out-Turn, the following:

Initial Transmission System Demand Out-Turn	ITSDO	MW	The Half-hour average MW demand metered by the Transmission Company taking into account transmission losses and including station transformer load, pumped storage demand and Interconnector demand

Insert, after Transmission Loss Multiplier, the following:

Transmission System Demand			Has the meaning given to the term GB Transmission System Demand as defined in the Grid Code.

Amend description of National Demand to read as follows:

National Demand			Has the meaning given to the term GB National Demand as defined in the Grid Code.

Section V, Annex V-1, Table 1-BMRS

Insert, after 2-14 day ahead National Demand forecast (NDFD), the following:

2-14 day ahead Transmission System Demand forecast (TSDFD) – daily peak Half hour value	Daily	Tabular	Previous forecast

Modification Proposal – BSCP 40/03	MP No: 219 *(mandatory by BSCCo)*

Insert, after 2-52 week ahead National Demand forecast (NDFW), the following:

2-52 week ahead Transmission System Demand forecast (TSDFW) – weekly peak Half hour value	Weekly	Tabular	Previous forecast

Insert, after Day ahead National Demand forecast, the following:

Day ahead Transmission System Demand forecast – value for each Half hour	Daily	Tabular and graphic for D-1, D to D+1. Otherwise tabular	Previous forecast

Amend "Updates of day ahead Indicated Imbalance (IMBALNGC)….." to read:

Updates of day ahead Indicated Imbalance (IMBALNGC), INDGEM, INDDEM, National Demand forecast and Transmission System Demand forecast – 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

Insert, after Initial National Demand Out-Turn (INDO), the following:

Initial Transmission System Demand Out-Turn (ITSDO)	Half hourly	Tabular and graphic for D-1, D to D+1. Otherwise tabular	None

Amend "Zonal day ahead Demand forecast …." to read:

Zonal day ahead Transmission System Demand forecast – values for each Half hour in each BMRS Zone	Daily	Tabular and graphic	None

Impact on Core Industry Documents or System Operator-Transmission Owner Code *(optional by originator)*

None.

The proposed changes utilise the current terms defined in the Grid Code. If the changes are implemented as proposed, there will be no impact on the Grid Code.

Impact on BSC Systems and Other Relevant Systems and Processes Used by Parties (*optional by originator)*

Changes will be required to the system interfaces that transmit data from Transmission Company to BMRS, and to the BMRS system.

Modification Proposal – BSCP 40/03	MP No: 219 *(mandatory by BSCCo)*

Impact on other Configurable Items (*optional by originator)*

BMRA & SAA Interface Specification - changes to this Specification need to be agreed between the Transmission Company and Elexon.

Justification for Proposed Modification with Reference to Applicable BSC Objectives *(mandatory by originator)*

Provision of better quality information could improve self-balancing by the market participants which could, in turn, improve the efficient, economic and co-ordinated operation of the GB transmission system (Applicable BSC Objective (b)).

Increase in information transparency and availability of improved market information to all participants should promote effective competition in the generation and supply of electricity (Applicable BSC Objective (c)).

Improvements to the definitions of demand terms could remove ambiguity in the BSC thereby reducing the number of queries to Elexon and promoting efficiency in the implementation and administration of the balancing and settlement arrangements (Applicable BSC Objective (d)).

Urgency Recommended: ~~Yes~~ / No *(delete as appropriate) (optional by originator)*

Justification for Urgency Recommendation *(mandatory by originator if recommending progression as an Urgent Modification Proposal)*

Details of Proposer:

Name: Shafqat Ali

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Modification Proposal – BSCP 40/03	MP No: 219 *(mandatory by BSCCo)*

Details of Proposer's Representative:

Name: Shafqat Ali

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Details of Representative's Alternate:

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Attachments: ~~Yes~~ / No *(delete as appropriate) (mandatory by originator)*

If Yes, Title and No. of Pages of Each Attachment:

APPENDIX 2: INITIAL ASSESSMENT OF IMPACTS OF MODIFICATION PROPOSAL

An initial assessment has been undertaken by BSCCo in respect of all BSC systems, documentation and processes. The following have been identified as being potentially impacted by P219.

a) Impact on BSC Systems and Processes

BSC System / Process	Potential Impact of Proposed Modification
BMRS	Changes will be required to the system interfaces that transmit data from National Grid to the BMRA. Changes will also be required to the BMRS in order to make the new data items available to Parties via the website and (for High Grade users) the TIBCO messaging service. The P219 change interacts with the Phase 1 electricity summary page (planned for implementation in Q1 of calendar year 2008). In order to compare Demand Forecast data with INDO (which excludes pumped storage, station transformer and Interconnector Demand) the Phase 1 solution has specific logic for identifying the 09.00 am Demand Forecast. This logic would be redundant under P219.

b) Impact on BSC Agent Contractual Arrangements

No impact

c) Impact on BSC Parties and Party Agents

BSC Parties and non-Parties who currently use the BMRS High Grade Service will be able to receive the new and amended data items via the website and/or TIBCO messaging. Parties and non-Parties using the Low Grade Service would be able to access the new and amended data items via the public website.

d) Impact on Transmission Company

Changes will be required to the National Grid systems, in order to submit the amended (new and existing) data files to the BMRA. Changes to the 'BMRS & SAA Interface Specification' which sets out the format of data submitted to the BMRS and ELEXON.

e) Impact on BSCCo

Area of Business	Potential Impact of Proposed Modification
Central Services Operations (Service Delivery)	Ensure that the changes in P219 will not cause any problem to the live service after implementation. This could involve observing Operational Acceptance Testing (OAT), keeping track of development progress and the management of LogicaCMG in their provision of the BMRS.

f) Impact on Code

Code Section	Potential Impact of Proposed Modification
Section Q 6.1	As indicated in the proposed Legal text of the Modification Proposal
Section V	As indicated in the proposed Legal text of the Modification Proposal
Section X	As indicated in the proposed Legal text of the Modification Proposal

Code Section	Potential Impact of Proposed Modification
Annex X-2	As indicated in the proposed Legal text of the Modification Proposal
Table X -2	As indicated in the proposed Legal text of the Modification Proposal

g) Impact on Code Subsidiary Documents

Document	Potential Impact of Proposed Modification
BMRA Service Description	Change would need to be captured to this document

h) Impact on Core Industry Documents and Other Documents

No impact

i) Impact on Other Configurable Items

Document	Potential Impact of Proposed Modification
Logica Interface Definition and Design (IDD) Part 1	Changes to these documents may be required to reflect the BMRA's receipt and publication of new data items under P219.
Logica Interface Definition and Design (IDD) Part 2	
BMRA Design Specification	
BMRA Manual System Specification	
BMRA Operating Services Manual	
BMRA System Specification	
BMRA User Requirements Specifications (URS)	

j) Impact on BSCCo Memorandum and Articles of Association

No impact

k) Impact on Governance and Regulatory Framework

No impact

APPENDIX 3: COSTS AND TIMETABLE FOR PROGRESSION

ESTIMATED COSTS OF PROGRESSING MODIFICATION PROPOSAL[5]

Meeting Cost	£ 750 (based on sharing one meeting with P220)
Legal/Expert Cost	£ Nil
Impact Assessment Cost	£ 5,000
ELEXON Resource	38 man days £ 7,990

[5] Clarification of the meanings of the cost terms in this appendix can be found on the BSC Website at the following link:
http://www.elexon.co.uk/documents/Change_and_Implementation/Modifications_Process_-_Related_Documents/Clarification_of_Costs_in_Modification_Procedure_Reports.pdf

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ID	Task Name	Duration	Start	Finish
1	Start drafting Requirements Specification	4 days	Mon 05/11/07	Thu 08/11/07
2	MA presented to Panel	0 days	Fri 09/11/07	Fri 09/11/07
3	MG meeting 1	0 days	Tue 13/11/07	Tue 13/11/07
4	Draft Requirement Specification	6 days	Wed 14/11/07	Wed 21/11/07
5	Draft Consultation Document	6 days	Wed 14/11/07	Wed 21/11/07
6	MG reviews documentation by correspondence	3 days	Thu 22/11/07	Mon 26/11/07
7	Conduct Impact Assessment	10 days	Tue 27/11/07	Mon 10/12/07
8	Conduct Consultation	10 days	Tue 27/11/07	Mon 10/12/07
9	Collate responses	0 days	Tue 11/12/07	Tue 11/12/07
10	MG meeting 2	0 days	Wed 12/12/07	Wed 12/12/07
11	Draft Assessment Report	4 days	Thu 13/12/07	Tue 18/12/07
12	Draft Legal Text	4 days	Thu 13/12/07	Tue 18/12/07
13	MG reviews documentation by correspondence	13 days	Wed 19/12/07	Fri 04/01/08
14	Update Assessment Report	2 days	Mon 07/01/08	Tue 08/01/08
15	Update Legal Text	2 days	Mon 07/01/08	Tue 08/01/08
16	Submit Assessment Report to Panel	0 days	Fri 11/01/08	Fri 11/01/08
17	Present Assessment Report to Panel	1 day	Thu 17/01/08	Thu 17/01/08