

26 September 2001

MODIFICATION REPORT
MODIFICATION PROPOSAL P22 –
Publication Of Generators ‘Output
Usable’ Data

Prepared by ELEXON on behalf of the Balancing
and Settlement Code Panel

Document Reference	MRP22
Version no.	0.1
Issue	Draft
Date of Issue	26 September 2001
Reason for Issue	Consultation
Author	ELEXON

I DOCUMENT CONTROL

a Authorities

Version	Date	Author	Change Reference
0.1	26/09/01	Trading Development	Initial Draft
0.2	26/09/01	Trading Development	Incorporating peer review comments

Version	Date	Reviewer	Signature	Responsibility
0.1	26/09/01	Richard Grimsey		

b Distribution

Name	Organisation
Each BSC Party	Various
Each BSC Agent	Various
The Gas and Electricity Markets Authority	Ofgem
Each BSC Panel Member	Various
Energywatch	Energywatch
Core Industry Document Owners	Various

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1 SUMMARY AND RECOMMENDATIONS

1.1 Recommendation

On the basis of the analysis, consultation and assessment undertaken in respect of Modification Proposal P22 during the Assessment Procedure, and the resultant findings of the Modification process, the Modification Group (the Group) recommends that the BSC Panel should agree to:

- Recommend to the Authority that the Alternative Modification proposal be adopted with an implementation date of 1 April 2002¹, subject to a positive Authority decision by 1 December 2001 thereby publish Output Usable data on the ELEXON web site.

1.2 Background

Modification Proposal P22 was raised by Dynegy UK Limited on the 22 June 2001 with the intention of removing an asymmetry of access to 'market data'. The original proposal sought to address two apparent asymmetries associated with access to data in the current arrangements. These are: (1) an asymmetry between generators and non-generators and (2) an asymmetry between NGC and all other BSC signatories.

The asymmetry associated with generators and non-generators results from access by generators to Zone specific Output Usable data. The majority of the Group believed that the publication of Output Usable data would remove this asymmetry and, consistent with the Applicable BSC Objectives, better promote effective competition in the generation and supply of electricity.

The asymmetry associated with NGC and all other BSC Signatories results from access by NGC to generator Outage plans (indicative and firm) for a period up to five years in advance. NGC obtains this data for planning purposes under provisions in the Grid Code. The majority of Group Members thought that removing this asymmetry by publishing the data to all BSC Signatories would better facilitate the Applicable BSC Objectives but others did not.

Some Group Members noted that NGC has a unique position within the market. It is subject to a number of licence conditions designed to ensure that Outage data is used for prescribed purposes only. This was ultimately considered to be a matter for the Licensing Authority and not a matter that needed addressing through the BSC. An Alternative Modification was therefore developed by the P22 Modification Group seeking to publish only Output Usable data.

1.3 Rationale for Recommendations

The majority of the Group believe that publishing only generator Output Usable data better facilitates the Applicable BSC objectives as it removes the asymmetry of access to the data but does not give rise to a potential reduction in the quality of planning data available to the Transmission Company that is considered possible if genset specific Outage data is published.

On consideration of the impact assessment analysis from the BMRA and ELEXON the Group, bearing in mind Applicable BSC Objective (iv), associated with efficiency in the implementation of the balancing and settlement arrangements, decided that publishing the data via the ELEXON website was preferable to publication on the BMRS.

¹ The Panel at its 20 September 2001 meeting requested that NGC and ELEXON consider if it would be possible to complete the work necessary to implement this proposal sooner, at the time of publishing this draft Modification Report the additional analysis was not complete.

2 INTRODUCTION

This Report has been prepared by ELEXON Ltd., on behalf of the Balancing and Settlement Code Panel ('the Panel'), in accordance with the terms of the Balancing and Settlement Code ('BSC'). The BSC is the legal document containing the rules of the balancing mechanism and imbalance settlement process and related governance provisions. ELEXON is the company that performs the role and functions of the BSCCo, as defined in the BSC.

This Modification Report is addressed and furnished to the Gas and Electricity Markets Authority ('the Authority') and none of the facts, opinions or statements contained herein may be relied upon by any other person.

An electronic copy of this document can be found on the BSC website, at www.elexon.co.uk

3 PURPOSE AND SCOPE OF THE REPORT

BSC Section F sets out the procedures for progressing proposals to amend the BSC (known as 'Modification Proposals'). These include procedures for proposing, consulting on, developing, evaluating and reporting to the Authority on potential modifications.

The BSC Panel is charged with supervising and implementing the modification procedures. ELEXON provides the secretariat and other advice, support and resource required by the Panel for this purpose. In addition, if a modification to the Code is approved or directed by the Authority, ELEXON is responsible for overseeing the implementation of that amendment (including any consequential changes to systems, procedures and documentation).

A Modification Report must be prepared and submitted to the Authority in respect of each proposed modification and must contain:

- (a) The recommendation of the Panel as to whether or not the Proposed Modification or any Alternative Modification should be made;
- (b) The proposed Implementation Date for implementation of the Proposed Modification or any Alternative Modification;
- (c) The matters set out in Annex F-1 of the BSC. This will usually be in the form of the relevant Assessment Report where the Proposal has been submitted to a Modification Group prior to the Report Procedure;
- (d) An explanation of the Panel's rationale should the Panel form a different view of any matters contained in the Modification Group Report; and
- (e) A summary of the representations made by Parties and interested third parties during the consultation undertaken in respect of the Proposed Modification and any Alternative Modification.

4 HISTORY OF PROPOSED MODIFICATION

Modification Proposal P22 was raised by Dynegy UK Limited on the 22 June 2001 and subsequently considered by the Panel on the 28 June 2001, where it was agreed that the P22 Group should proceed with a Definition Report.

A Definition Report was considered by the 26 July 2001 Panel meeting. The Panel instructed the Group to proceed to the Assessment Procedure. The Panel also asked the Group to explore the publication of data to support the Modification on both the BMRS and the ELEXON web site.

During the Assessment Procedure the Group published a consultation paper based on the issues identified in the in the Definition Report. 12 responses were received as part of this consultation exercise that were duly considered by the Group. The Group concluded that no new arguments were presented by consultees that had not previously been considered by the Group.

During the Assessment Procedure the Group considered the relative merits of publishing the two data sets, defined within the original proposal, against the Applicable BSC Objectives and concluded that an Alternative Modification that sought to only publish one of those data sets (Output Usable) would, as compared with the Original Modification Proposal P22 better facilitate the Applicable BSC Objectives.

The Assessment Report presented to the Panel meeting on 20 September 2001 where the Panel agreed to proceed to the Report Procedure on the basis of the recommendations presented in the Assessment Report. In addition, the Panel requested that NGC and ELEXON consider if it would be possible to complete the work necessary to implement the Alternative Modification sooner than the recommended implementation date. At the time of publishing this draft Modification Report the additional analysis was not complete.

5 DESCRIPTION OF PROPOSED MODIFICATION

This section described the Alternative Modification Proposal as defined by the Group and endorsed by the Panel. For additional information regarding the original Modification Proposal please see the P22 Definition Report and the P22 Assessment Report.

Ten data sets are defined for the Alternative Modification Proposal. These include 5 data sets publishing Output Usable data by ²NGC Transmission Zone and 5 that publish Output Usable data at the National level. The paragraphs below define the 10 Output Usable data sets (a) to (e ii). Each of the data sets described below will be obtained from NGC and made available on the ELXON web site.

- a) i) A data set that contains MW Output Usable data aggregated by NGC Transmission Zone will be published. This will contain daily data for the period 2 – 14 days ahead. This will be published on a daily basis.
 - ii) A subsidiary data set will also be published, this is equal to the sum of all NGC Transmission Zone's MW Output Usable values by day for the period 2 – 14 days ahead and will be published in the same time scales as (a i).
- b) i) A data set that contains MW Output Usable data aggregated by NGC Transmission Zone will be published. This will contain daily data for the period 2 – 49 days ahead. This will be published on a weekly basis.
 - ii) A subsidiary data set will also be published, this is equal to the sum of all NGC Transmission Zone's MW Output Usable values by day for the period 2 – 49 days ahead and will be published in the same time scales as (b i).
- c) i) A data set that contains MW Output Usable data aggregated by NGC Transmission Zone will be published. This will contain weekly data for the period 2 – 52 weeks ahead. This will be published on a weekly basis.
 - ii) A subsidiary data set will also be published, this is equal to the sum of all NGC Transmission Zone's MW Output Usable values by week for the period 2 – 52 weeks ahead and will be published in the same time scales as (c i).
- d) i) A data set that contains MW Output Usable data aggregated by NGC Transmission Zone will be published. This will contain weekly data for the period 1 – 2 years ahead. This will be published on a six monthly basis.
 - ii) A subsidiary data set will also be published, this is equal to the sum of all NGC Transmission Zone's MW Output Usable values by week for the period 1 – 2 years ahead and will be published in the same time scales as (d i).
- e) i) A data set that contains MW Output Usable data aggregated by NGC Transmission Zone will be published. This will contain weekly data for the period 3 – 5 years ahead. This will be published on a six monthly basis.
 - ii) A subsidiary data set will also be published, this is equal to the sum of all NGC Transmission Zone's MW Output Usable values by week for the period 3 – 5 years ahead and will be published in the same time scales as (e i).

The definition of NGC Transmission Zones is also included within the Alternative Proposal, the published definitions will be updated if NGC make amendments to the Zone definitions.

² There are currently more than 30 active NGC Transmission Zones, although this number is expected to reduce when NGC undertake a review of zone definitions prior to implementation of the Modification to remove zones that give explicit information about particular generating stations.

6 RATIONALE FOR PANEL RECOMMENDATIONS

The Panel, at its meeting on the 20 September 2001, agreed with the findings of the Group, as presented in the P22 Assessment Report. The Group recommended to the Panel that they recommend to the Authority that the Alternative Modification proposal be adopted with an implementation date of ³1 April 2002, subject to a positive Authority decision by 1 December 2001.

The Panel agreed that the original Proposal gave rise to a potential conflict between the Applicable BSC Objectives and that the Alternative Proposal, as compared to the original, better facilitated the Applicable BSC objectives.

Some Group Members felt that the original Modification Proposal gave rise to a 'trade-off' between two of the BSC objectives. Those Group Members suggested that, objective (ii) associated with efficiency of system operation was, to some extent, in conflict with objective (iii) associated with efficient market operation. Those Group Members felt that this conflict arose because of the potential for the quality of data received by the System Operator to decrease as a result of wider dissemination.

The Group noted that the original Proposal sought to address two different information asymmetries that are suggested to be apparent in the current arrangements. These are: (1) an asymmetry between generators and non-generators and (2) an asymmetry between NGC and all other BSC Signatories. Each of these are discussed in more detail below.

6.1.1 Generator and Non-Generator Asymmetry

The asymmetry associated with generators and non-generators results from access by generators to Zone specific Output Usable data. The majority of the Group believed that the publication of Output Usable data would remove this asymmetry and, consistent with BSC Objectives, better promote effective competition in the generation and supply of electricity.

Some Group Members expressed the view that the asymmetry of access to Output Usable data could equally effectively be removed by not providing it to generators as opposed to providing it additionally to non generators. This approach would be a matter for NGC and the Grid Code and therefore outside of the scope of the BSC and the remit of the Group.

6.1.2 NGC Asymmetry

The asymmetry associated with NGC and all other BSC Signatories results from access by NGC to generator Outage plans (indicative and firm) for a period up to five years in advance. Whilst some Group Members thought that removing this asymmetry by publishing the data to all BSC Signatories would better facilitate BSC Objectives others did not.

It was argued by some Group Members that NGC as a "major player" in forwards markets could, in principle, use its access to generator Outage data for commercial gain. Publishing generator Outage data to all BSC Signatories would help to "level the playing field".

Some Group Members noted that NGC has a unique position within the market. It is subject to a number of licence conditions designed to ensure that Outage data is used for prescribed purposes only. This is a matter for the Licensing Authority and need not be addressed through the BSC.

³ The Panel at its 20 September meeting requested that NGC and ELEXON consider if it is possible to complete the work necessary to implement this proposal sooner, at the time of publishing this draft Modification Report the additional analysis was not complete.

6.2 Assessment of Alternative Proposal Against BSC Objectives

Three primary arguments were developed by the Group as to why the Alternative Proposal is preferable to the original Proposal. The following paragraphs explain these three arguments.

The majority of the Group believed that the alternative Proposal better facilitates BSC Objectives, as compared to the original Proposal, as it does not give rise to the conflict between BSC Objectives present in the original Proposal. Notably, because the Alternative seeks only to publish Output Usable data not Outage data the conflict between Objective (ii) associated with efficiency of system operation and Objective (iii) associated with efficient market operation did not arise.

The Group noted that part of the Proposer's rationale for seeking to publish the additional data sets defined in the original Proposal was to remove asymmetries in access to data present in the current arrangements. It is argued that publication of Output Usable data aggregated by NGC Transmission Zone directly removes the asymmetry associated with generators and non generators, discussed in section 5.2.1. The publication of zonal Output Useable data could potentially, depending on the definition of additional review of these zones prior to implementation of the modification will be necessary to remove zones which give explicit information about particular generating stations". This is therefore considered to be a matter for NGC and the Grid Code.

The majority of the Group also noted that publishing Output Usable data aggregated by NGC Transmission Zone was merely extending the publication of an already available data set (albeit to only a subset of the market). Therefore secondary, potentially complex, issues associated with the publication of market sensitive information and the mechanisms and timing of such publication which might be governed under financial service legislation were unlikely to arise.

Some Group Members suggest that unless the definition of NGC Transmission Zones is published an asymmetry of access to market information would remain. If the Zone definitions are not published only generators within a Zone where there is a shortfall would be aware which Zone such shortfall is in. The Alternative Proposal therefore includes the publication of the definition of NGC Transmission Zones. NGC note that if zone definitions are published to maintain commercial confidence of individual generators current Zones may need revision to ensure that no Zone contains a single generating unit.

7 LEGAL TEXT TO GIVE EFFECT TO THE PROPOSED MODIFICATION

This section provides the changes to the BSC to give effect to the Alternative Modification. It should be noted that the changes detailed below are dependent on a reciprocal amendment to the Grid Code that will define a new term 'Transmission Zone'. The Grid Code amendments will be managed by NGC and carried out in accordance with the change co-ordination arrangements established under section F1.6 of the BSC.

It should be noted that 'Zone' (without a prefix) is already a defined term, in section X, of the BSC and currently refers to the 5 BMRS Zones. Comments are invited on the need to redefine this term to add a prefix to clearly identify it as say 'BMRS Zone'.

7.1 Clean Version

Insert as new paragraph 6.4:

6.4 Submission of generation data to BSCCo

6.4.1 In this paragraph 6.4:

- (a) Genset, Transmission Zone⁴ and Output Usable have the meanings given to those terms in the Grid Code;
- (b) references to Output Usable in relation to a Genset are to the Output Usable data for the time being provided to the Transmission Company by the relevant User pursuant to the Grid Code;
- (c) "Zonal Output Usable" means the sum for all Gensets in a Transmission Zone of Output Usable, and "Total Output Usable" means the sum for all Gensets in all Transmission Zones of Output Usable;
- (d) times by which the Transmission Company is required to send data to BSCCo are target times, which the Transmission Company is expected to meet unless abnormal circumstances prevent it from doing so.

6.4.2 The Transmission Company shall send to BSCCo the data set out in the table below with the frequency and by the times respectively set out in the table below:

DATA	FREQUENCY	TARGET TIME
2–14 day ahead daily Zonal Output Usable for each Transmission Zone (OU) and daily Total Output Usable – daily peak half hour values	Daily	16:00
2–49 day ahead daily Zonal Output Usable for each Transmission Zone (OU) and daily Total Output Usable – daily peak half hour values	Weekly	16:00
2–52 week ahead weekly Zonal Output Usable for each Transmission Zone (OU) and weekly Total Output Usable – weekly peak half hour values	Weekly	16:00

⁴ An amendment is required to the Grid Code to include a definition for the term 'Transmission Zone'.

1-2 year ahead weekly Zonal Output Usable for each Transmission Zone (OU) and weekly Total Output Usable – weekly peak half hour values	6 Monthly	16:00
3-5 year ahead weekly Zonal Output Usable for each Transmission Zone (OU) and weekly Total Output Usable – weekly peak half hour values	6 Monthly	16:00

Renumber existing paragraph 6.4 as paragraph 6.5.

SECTION V

Amend paragraph 1.1.5(a) to read:

- (a) the obligations of the Transmission Company to send specified data to the BMRS and BSCCo pursuant to Section Q6;

Insert as new paragraph 4.4:

4.4 Generation data

- 4.4.1 BSCCo shall arrange for the data set out in Table 8 in Annex V-1 to be published on the BSC Website and revised from time to time as soon as reasonably practicable after BSCCo receives such data from the Transmission Company pursuant to Section Q6.4.
- 4.4.2 Where such data is received by BSCCo from the Transmission Company on a day which is not a Business Day, BSCCo shall publish such data on the BSC Website on the next following Business Day.

Insert as new Table 8 in Annex V-1:

TABLE 8 – GENERATION DATA PUBLISHED ON BSC WEBSITE

Notes:

- In this table terms shall have the meanings given to them in Section Q6.4.
- Column 1 (data) specifies the data to be published and the day, week or other period to which the data relates.
- Column 3 (frequency) specifies the frequency with which data is published or revised (subject to Section V4.4.2).

DATA	FREQUENCY
2–14 day ahead daily Zonal Output Usable for each Transmission Zone (OU) and daily Total Output Usable – daily peak half hour values	Daily
2–49 day ahead daily Zonal Output Usable for each Transmission Zone (OU) and daily Total Output Usable – daily peak half hour values	Weekly
2–52 week ahead weekly Zonal Output Usable for each Transmission Zone (OU) and weekly Total Output Usable – weekly peak half hour values	Weekly
1-2 year ahead weekly Zonal Output Usable for each Transmission Zone (OU) and weekly Total Output Usable – weekly peak half hour values	6 Monthly
3-5 year ahead weekly Zonal Output Usable for	6 Monthly

each Transmission Zone (OU) and weekly Total Output Usable – weekly peak half hour values	
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ANNEX X-2

Insert new definitions (in appropriate alphabetic place) in Table X-2:

Defined Term	Acronym	Units	Definition/explanatory text
Output Usable	OU	MW	Has the meaning given to that term in the Grid Code.
Total Output Usable		MW	Has the meaning given to that term in Section Q6.4.
Transmission Zone			Has the meaning given to that term in the Grid Code.
Zonal Output Usable		MW	Has the meaning given to that term in Section Q6.4

8 ASSESSMENT

This section presents a summary of the Group's assessment of the issues associated with the Modification. The full Assessment Report provides a complete description of the Groups considerations.

The original Modification was necessarily documented at a business, or high, level. On further investigation the Group identified that a number of options were present within Modification Proposal P22. The identified options were primarily associated with precisely "*what*" data might be published and "*how*" that data might be published. Each of these is discussed below.

The Group were also mindful of the fact that NGC had advised as part of their impact assessment that if the original proposal were implemented they would advise that all genset data sent into them by generating companies would need to be transferred electronically. This electronic transfer is designed to mitigate against the possibility of transcript errors associated with individual gensets being published. The Group considered that the original proposal could therefore impose a significant impact on those generators that do not currently use electronic data transfer mechanisms into NGC, currently indicated by NGC to be around half.

8.1.1 Data Options

Two main questions were identified when the Group were considering "*what*" should be published. These were (1) what level of aggregation for the various data sets is most appropriate and (2) which data sets better facilitate BSC objectives?

Aggregation

In terms of what level of aggregation was most appropriate, the Group identified three options

- i. No aggregation
- ii. Aggregation to NGC Transmission Zone
- iii. Aggregation to BMRS Zone

The majority of the Group concluded that publishing data which is aggregated by NGC Transmission Zone would be preferable as it is consistent with current publication formats and would not identify individual generating stations thereby potentially commercially disadvantaging them.

Data Sets

As requested by the Panel a consultation exercise was undertaken during the Assessment Procedure that included questions associated with the better facilitation of Applicable BSC objectives. Consultation responses were broadly split as to whether the publication of only one or both proposed data sets (Output Useable and / or Outage data) better facilitated the Applicable BSC Objectives.

The majority of the Group believed that publishing only Output Usable data better facilitates the Applicable BSC Objectives as it removes the asymmetry of access to the data but did not give rise to the potential reduction in the quality of planning data available to the Transmission Company.

8.1.2 Publication Mechanism

Consistent with the Panel's request the Group considered two options for the publication of data required by the Alternative Modification. These are:

- i. The BMRS; or

ii. The ELEXON website.

Both publication mechanisms were considered for each of the options identified by the Group, although the Group felt, given the purpose of the BMRS, that the data would probably be more appropriately published on the BMRS. On consideration of the impact assessment analysis from the BMRA and ELEXON the Group, bearing in mind BSC Objective (iv) associated with efficiency in the implementation of the trading arrangements, decided that publishing the data via the ELEXON website was preferable. The Group also noted that if, in future, Parties felt that the data was more appropriately published via the BMRA then a Change Request could be raised. Such a Change Request would be subject to industry impact assessment and could be incorporated within another BSC Systems project and therefore potentially benefit from economies of scope and scale.

9 SUMMARY OF REPRESENTATIONS

[This section will include a summary of responses to consultation on this Draft Modification Report. copies shall be inserted in Annex 1.]

ANNEX 1 – REPRESENTATIONS

[copies of representations on Draft Modification Report]