



National Grid

CONSULTATION DOCUMENT

Proposed Change to Grid Code BC2 consequent on BSC Modification Proposal P87

The purpose of this document is to consult on the above Grid Code Modification Proposal with authorised electricity operators liable to be materially affected by the proposed changes

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Prepared by	National Grid

DOCUMENT LOCATION

National Grid website:

http://www.nationalgridinfo.co.uk/grid_code/mn_consultation_papers.html

DISTRIBUTION

Name	Organisation
AEO's	Various
GCRP Members/Alternates	Various
Interested Parties	Various
National Grid Industry Information Website	

A. INTRODUCTION

1. National Grid Company plc ("National Grid"), in accordance with its obligations under paragraph 2 of Condition 7 of the Transmission Licence, believes that the time has come to review, in consultation with authorised electricity operators liable to be materially affected thereby, the Grid Code and its implementation in certain respects.
2. This review is concerned with a proposed change to the Grid Code BC2 – Post Gate Closure Process and is a consequential change that will be necessary if the Authority approves the BSC Modification Proposal P87, or its alternative. The proposed changes to the Grid Code have been distributed to members of the Grid Code Review Panel, who have been given the opportunity to comment on them.
3. Following receipt of comments from those authorised electricity operators which it has consulted by this Paper, National Grid intends, in accordance with paragraph 2 of Condition 7 of the Transmission Licence, to send to the Authority :-
 - (a) a report on the outcome of its review, including this consultation process;
 - (b) the proposed revisions to the Grid Code which National Grid (having regard to the outcome of such review) reasonably thinks fit for the achievement of the objectives of the Grid Code referred to in sub-paragraph (b) of paragraph 1 of Condition 7 of the Transmission Licence; and
 - (c) any written representations or objections from authorised electricity operators (including any proposals by such operators for revisions to the Grid Code not accepted by National Grid in the course of the review) arising during the consultation process and subsequently maintained.
4. The report will also be made publicly available on National Grid's website.
5. The revisions to the Grid Code proposed by National Grid and sent to the Authority then require approval by that body and will, if approved, come into force on such date (or dates) of which you will be notified by National Grid, in accordance with the Authority's approval.

B. DESCRIPTION OF THE PROPOSED AMENDMENTS AND THEIR EFFECTS

6. Balancing Code No 2 (BC2) deals with the processes that occur in the Balancing Mechanism Post Gate Closure. Amongst other things, it details the circumstances under which Bid-Offer Acceptances will be issued. BC2.5.2.3 contains provisions that require the deeming of the issue of a Bid-Offer Acceptance if a BM Unit is desynchronised due to the operation of an intertripping scheme that is in service to protect the Transmission System.
7. A BSC Modification Proposal and an alternative (P87) have been developed to change the commercial mechanism for payments under these circumstances, which does not rely on the issue of a Bid-Offer Acceptance. The BSC Panel decided on 17th October 2002 to submit a report to the Authority recommending implementation of the alternative proposal. Details of the BSC Modification Proposal can be found on the Elexon website at <http://www.elexon.co.uk/ta/modifications/modifications.html> .
8. Implementation of either the original (which would only be valid until 31 March 2003) or the alternative will require a consequential change to the Grid Code to amend the relevant sentence in BC2.5.2.3. The sentence requires changing to make it clear that a Bid-Offer Acceptance will **not** be deemed to have been issued in these circumstances.

In the case of the P87 alternative proposal, it is also necessary to amend the requirements for the submission of Physical Notification data which accurately indicates the expected operation of the BM Unit. National Grid has a number of concerns about this issue, as accurate Physical Notifications form an essential input into National Grid's planning process to ensure efficient balancing of the system in real time. These concerns will be spelt out in the report to the Authority following this consultation. To ease drafting, a new defined term "Intertrip Affected BM Unit" is introduced, which may also be referred to in the BSC.

9. A small change is also required to BC2.10.3 for both the original and alternative P87, to remove a repeated reference to the issue of Bid-Offer Acceptances in the event of an intertrip.
10. Appendix 1 shows the proposed Grid Code change with additions double-underlined and deleted text struck-through.

B. COMMENTS

11. National Grid would be grateful to receive your comments on, or any suggestions you may have in relation to, these proposed amendments to the Grid Code. Comments would be welcomed and should be sent to National Grid by **15th November 2002**. The comments will be reviewed and responded to and National Grid will then prepare its report to the Authority.
12. Unless otherwise marked as confidential any responses containing objections to the proposals that are maintained will be published on our website in the copy of the Report to the Authority referred to in paragraphs 3 and 4.
13. Your formal responses may be:-

Posted to: Mr David Payne
Network Strategy, Commercial Codes
National Grid Company plc
National Grid House
Kirby Corner Road
Coventry
CV4 8JY

Faxed to: 024 7642 3298

Emailed to: david.payne@uk.ngrid.com

Appendix 1

EXTRACTS FROM BALANCING CODE NO. 2

POST GATE CLOSURE PROCESS

For P87 Original

BC2.5.2.3 **BM Participants** must only **Synchronise** or **De-Synchronise BM Units**;

- (a) at the times indicated to **NGC**, or
- (b) at times consistent with variations in output or input arising from provisions described in BC2.5.1,

(within a tolerance of +/- 5 minutes) or unless that occurs automatically as a result of intertrip schemes or **Low Frequency Relay** operations or an **Ancillary Service** pursuant to an **Ancillary Services Agreement**. ~~For a **BM Unit** in relation to which the intertrip has been instructed to be switched into service under BC2.10 in order to protect the **NGC Transmission System**, if it is **De-Synchronised** due to an operation of the intertrip that is not due to a fault at the~~In the case of an **Intertrip-affected** **BM Unit** then:-

- i. up to and including 31 March 2003, no **Bid-Offer Acceptance** will be treated as having been issued. Commercial arrangements in respect of the operation of an intertrip in these circumstances are dealt with in the **BSC** or in an agreement between **NGC** and the **BM Participant**;
- ii. after 31 March 2003, a **Bid-Offer Acceptance** will be treated as having been issued. This will reflect the operation of the intertrip in order to form the **Bid-Offer Acceptance** data to be given to the **BMRA** under the **BSC**.

For P87 Alternative

BC2.5.2.3 **BM Participants** must only **Synchronise** or **De-Synchronise BM Units**;

- (a) at the times indicated to **NGC**, or
- (b) at times consistent with variations in output or input arising from provisions described in BC2.5.1,

(within a tolerance of +/- 5 minutes) or unless that occurs automatically as a result of intertrip schemes or **Low Frequency Relay** operations or an **Ancillary Service** pursuant to an **Ancillary Services Agreement**. ~~For a **BM Unit** in relation to which the intertrip has been instructed to be switched into service under BC2.10 in order to protect the **NGC Transmission System**, if it is **De-Synchronised** due to an operation of the intertrip that is not due to a fault at the~~In the case of an **Intertrip-affected** **BM Unit** then a no **Bid-Offer Acceptance** will be treated as having been issued. This will reflect the operation of the intertrip in order to form the **Bid-Offer Acceptance** data to be given to the **BMRA** under the **BSC**. In respect of the operation of an intertrip in these circumstances:-

- i. the commercial arrangements are dealt with in the **BSC** or in an agreement between **NGC** and the **BM Participant**, and
- ii. until a time to be notified by **NGC**, the **BM Participant** will be relieved of its obligations in BC1.4.2(a), BC1.4.3 and BC2.5.1 requiring that **Physical Notifications** shall represent the best estimate of expected input or output of the **Intertrip Affected BM Unit** and instead the **BM Participant** should submit **Physical Notifications** for the **Intertrip-affected BM Unit** to represent such **BM Participant's** best estimate of the **Intertrip-affected BM Unit's** expected input or output of **Active Power** before the operation of the intertrip, as though no intertrip had operated. Nothing in this paragraph shall relieve the **BM Participant** of any of its other obligations under BC1.4.2(a), BC1.4.3 and BC2.5.1, in respect of such **Intertrip-affected BM Units** and of any of its obligations under BC1.4.2(a), BC1.4.3 and BC2.5.1, in respect of any **BM Units** other than **Intertrip-affected BM Units**.

For P87 Original or Alternative

- BC2.10.3 Where an instruction or notification under BC2.10.2(a), (c) or (d) results in a change to the input or output level of the **BM Unit** then **NGC** shall issue a **Bid-Offer Acceptance** or **Emergency Instruction** as appropriate.

New definition to be added to Glossary and Definitions

Intertrip-affected BM Unit

A **BM Unit** in relation to which an intertrip has been instructed to be switched into service under BC2.10 in order to protect the **NGC Transmission System** and which is **De-Synchronised** due to an operation of the intertrip that is not due to a fault at the **BM Unit**.