



# National Grid

## GRID CODE CONSULTATION DOCUMENT

### Grid Code Compliance Issues with Refurbishment of Plant

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

|                              |                    |
|------------------------------|--------------------|
| Consultation Ref             | D/04               |
| Issue                        | 1                  |
| Date of Issue                | 23 April 2004      |
| <b>Responses required by</b> | <b>24 May 2004</b> |
| Prepared by                  | National Grid      |

## DOCUMENT LOCATION

National Grid website:

[http://www.nationalgridinfo.co.uk/grid\\_code/mn\\_consultation\\_papers.html](http://www.nationalgridinfo.co.uk/grid_code/mn_consultation_papers.html)

## DISTRIBUTION

| <b>Name</b>                                | <b>Organisation</b> |
|--|---------------------|
| 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 plant compliance with the Grid Code following refurbishment of the plant. The proposed changes to the Grid Code were discussed at the Grid Code Review Panel meeting held on 26<sup>th</sup> February 2004 and following some further discussion it was agreed that a Consultation Paper would be issued taking into account the comments made at the GCRP meeting.
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 subparagraph (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.
6. All responses received related to this consultation will be included on National Grids Industry Information microsite except where it is indicated that the response is to be treated as confidential.

B. DESCRIPTION OF THE PROPOSED AMENDMENTS AND THEIR EFFECTS

6. Background

- 6.1 For new generation connection or modification applications, there is a process pursuant to the CUSC and/or other relevant documents to check plant compliance with the Grid Code requirements and demonstrate the

Ancillary Services delivery. This ensures stable and satisfactory voltage and frequency response performance.

- 6.2 When plant items are refurbished or replaced, it is equally important that the overall performance is checked to ensure the above requirements continue to be met. However, this process is not clearly covered in the Grid Code to allow the plant dynamic characteristic to be checked and Ancillary Services performance validated.
- 6.3 Without a process to check refurbished plant performance, National Grid believes that the system security could be affected and quality of supply impaired and the proposed changes enable these processes to be carried out.
- 6.4 A discussion note indicating the level of testing expected has been produced. This document aims to provide reassurance that National Grid would be reasonable in its requests to test plant following refurbishment. This document does not form part of this consultation but a copy is provided with this consultation for information. The discussion note can also be accessed for information from National Grids Industry Information microsite using the following link:

[http://www.nationalgridinfo.co.uk/grid\\_code/mn\\_consultation\\_papers.html](http://www.nationalgridinfo.co.uk/grid_code/mn_consultation_papers.html)

## 7. Proposed Changes

- 7.1 It is proposed to amend the text of section OC5.5.1.1 to clarify the circumstances under which NGC may issue an instruction requiring a User to carry out a test. National Grid believes that this text best facilitates the required testing of plant that is being refurbished.
- 7.2 The proposed changes to OC5 are as shown in Appendix 1

C. COMMENTS

8. 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 **24<sup>th</sup> May 2004**. The comments will be reviewed and responded to and National Grid will then prepare its report to the Authority.
9. Unless otherwise marked as confidential any responses containing objections to the proposals which are maintained will be published on our website in the copy of the Report to the Authority referred to in paragraphs 3 and 4.
10. Your formal responses may be:-

Posted to:           David Payne  
                          Industry Codes  
                          Commercial Frameworks  
                          National Grid Company plc  
                          National Grid Transco House  
                          Warwick Technology Park  
                          Gallows Hill  
                          Warwick  
                          CV34 6DA

Emailed to: [david.payne@nqtuk.com](mailto:david.payne@nqtuk.com)

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APPENDIX 1

EXTRACT FROM OC5

OC5.5        PROCEDURE FOR TESTING

OC5.5.1     Request For Testing

OC5.5.1.1   **NGC** may at any time (although not normally more than twice in any calendar year in respect of any particular **BM Unit**) issue an instruction requiring a **User** to carry out a test, provided **NGC** has reasonable grounds of justification based upon:

(a) a submission of data or a statement from a **User** indicating a change in plant or apparatus or settings (including but not limited to governor and excitation control systems) that may reasonably be expected to result in a change of performance;  
or

~~(b) a statement from a **User** indicating a change in performance; or~~

~~(be)~~ monitoring carried out in accordance with OC5.4.2; or

~~(ce)~~ notification from a **User** of completion of an agreed action from OC5.4.2.