

Balancing Principles Statement

Industry Consultation on Category 5 Intertripping Service

1 April 2009

Responses requested by 29 April 2009

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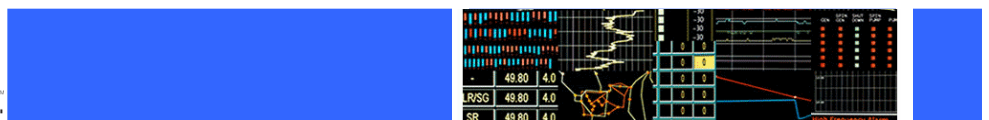
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1 Executive Summary

Purpose of this document

National Grid has raised CUSC amendment proposal CAP170 and Grid Code proposal B/09 to introduce a new category 5 System to Generator Operational Intertripping Scheme. This scheme covers intertrips that are capable of being armed with respect to a derogated non-compliant transmission boundary. CAP170 defines such a boundary as a boundary on the transmission system which is subject to an Authority approved derogation to the GB Security and Quality of Supply Standards.

Under prevailing Procurement Guidelines (PGs), the System to Generator Operational Intertripping is a Part 2 System Ancillary Service i.e. a necessary service required from some generators where agreement is reached. This service covers the existing four categories of System to Generator Operational Intertripping and is provided as a condition of connection. In parallel with CAP170 and B/09, National Grid is proposing¹ to introduce category 5 System to Generator Operational Intertripping service in the PGs.

Whilst PGs cover the principles by which National Grid procures the balancing services, the Balancing Principles Statement (BPS) outlines how these services are used. In response to CAP170 and B/09, the industry has expressed views on both the procurement and utilisation of category 5 intertripping service, and National Grid is taking these views into consideration for any changes to the PGs and the BPS. As a result of the industry comments, National Grid considers that, in addition to the proposed changes to the PGs, it may be appropriate to amend the Balancing Principles Statement (BPS) to incorporate deployment of the category 5 to Generator Operational Intertripping service.

This consultation outlines National Grid's proposal to incorporate use of the category 5 System to Generator Operational Intertripping service in the BPS, and seeks industry views on the proposed changes to the BPS.

¹ This consultation can be found on <http://www.nationalgrid.com/uk/Electricity/Balancing/consultations/>.



Consultation Process

The proposed changes to the BPS are attached to this consultation in Appendix A. The consultation document is available on National Grid's website and can be accessed by using the following link:
<http://www.nationalgrid.com/uk/Electricity/Balancing/consultations/>.

Following receipt of responses to this consultation, National Grid will prepare and submit a report (in accordance with Licence Condition C16 paragraph 8) to the Authority. The industry responses and the consultation report will be published on the above link.

The current version of the BPS can be found at the following link:
<http://www.nationalgrid.com/uk/Electricity/Balancing/transmissionlicensestatements/>

Consultation Timescales

In accordance with Licence Condition C16, the consultation period will be 28 days. Therefore the consultation timetable is as follows:

Consultation published	Wednesday 1 April 2009
Closing date for responses	Wednesday 29 April 2009
Consultation Report to the Authority	No later than Wednesday 1 May 2009

How to respond

The consultation questions are summarised in a proforma in Appendix B. Please complete the proforma and send your responses to balancingservices@uk.ngrid.com by 29 April 2009.

Enquiries

If you wish to discuss any aspect of this document, please contact Shafqat Ali by emailing shafgat.r.ali@uk.ngrid.com or telephoning 01926 655980.



Document Structure

The remainder of this document is structured as follows:

- ❖ Purpose of the consultation
- ❖ Proposed changes
- ❖ Proposed implementation date
- ❖ Consultation responses
- ❖ Next steps
- ❖ Appendices
 - A. Marked-up BPS for proposed changes
 - B. Consultation Questions



2 Purpose of the Consultation

National Grid has raised CUSC amendment proposal CAP170 and Grid Code proposal B/09 to introduce a new category 5 System to Generator Operational Intertripping Scheme. This scheme covers intertrips that are capable of being armed with respect to a derogated non-compliant transmission boundary. CAP170 defines such a boundary as a boundary on the transmission system which is subject to an Authority approved derogation to the GB Security and Quality of Supply Standards.

Under prevailing Procurement Guidelines (PGs), the System to Generator Operational Intertripping is a Part 2 System Ancillary Service i.e. a necessary service required from some generators where agreement is reached. This service covers the existing four categories of System to Generator Operational Intertripping and is provided as a condition of connection. In parallel with CAP170 and B/09, National Grid is proposing² to introduce category 5 System to Generator Operational Intertripping service in the PGs.

Whilst PGs cover the principles by which National Grid procures the balancing services, the Balancing Principles Statement (BPS) outlines how these services are used. In response to CAP170 and B/09, the industry has expressed views on both the procurement and utilisation of category 5 intertripping service, and National Grid is taking these views into consideration for any changes to the PGs and the BPS. As a result of the industry comments, National Grid considers that, in addition to the proposed changes to the PGs, it may be appropriate to amend the Balancing Principles Statement (BPS) to incorporate deployment of the category 5 to Generator Operational Intertripping service.

This consultation outlines National Grid's proposal to incorporate use of the category 5 System to Generator Operational Intertripping service in the BPS, and seeks industry views on the proposed changes to the BPS.

3 Proposed Changes to BPS

² This consultation can be found on <http://www.nationalgrid.com/uk/Electricity/Balancing/consultations/>.



The changes proposed to the BPS comprise a number of factors that National Grid will take into consideration in the deployment of the category 5 System to Generator Operational Intertripping service.

The proposed changes are summarised in Table 1 below:

Table 1

BPS Section	Change
PART C, section 5	<p>After section 10, insert the following new section:</p> <p>11 Category 5 System to Generator intertrip service</p> <p>This category of intertrips (along with categories 1 to 4) is defined in the Grid Code. The term ‘derogated non-compliant transmission boundary’ related to the category 5 intertrip is also defined in the Grid code.</p> <p>A key operational decision in utilising the category 5 intertrip service is the selection of suitable generating units that could meet the required intertrip volume on a derogated non-compliant transmission boundary. Such a decision is likely to be based on the system conditions at the time, taking into account factors such as:</p> <ul style="list-style-type: none"> ▪ the output of category 5 providers’ generating units; ▪ the effectiveness of intertripping a specific unit in relieving the constraint with respect to the conditions at that time; ▪ any disproportionately detrimental effect to the system in the event of a specific generating unit or combination of units being intertripped when compared to the benefit of arming that generating unit or units (e.g. impact of loss of MVA reserves, local constraint issues); ▪ where practicable, only arming sufficient intertrip volume on generating units to enable the discrepancy between the present derogated transmission boundary capability and that capability that would be required to satisfy compliance with the GB SQSS; and



BPS Section	Change
	<ul style="list-style-type: none"> <li data-bbox="608 293 1326 472">▪ equitable treatment of generating units where more than one generating unit can provide the required intertrip volume and where, after taking into consideration the above criteria, there is no way of differentiating between the generating units.”

The proposed changes summarised above are shown in a modified version of the BPS in Appendix A.

Consultation Question 1³

Do you agree that the changes summarised in Table 1 have been implemented correctly in the BPS in Appendix A?

Consultation Question 2

Do you agree that the changes proposed to the BPS in Appendix A should be made?

4 Proposed Implementation Date

This consultation is aligned with CAP170 and it is envisaged that, unless directed by the Authority otherwise, the implementation date for the revised BPS will be the same as the implementation date for CAP170.

5 Consultation Responses

5.1 Summary of Consultation Questions

The consultation questions are summarised in Appendix B. The proforma in Appendix B can be used to respond to the consultation questions, as described in section 5.2.

5.2 How to Respond

³ All consultation questions are summarised in Appendix B.



Responses should be submitted by replying to the consultation questions in Appendix B and e-mailing the completed proforma to balancingservices@uk.ngrid.com.

The completed feedback questionnaire can also be e-mailed to balancingservices@uk.ngrid.com.

If you do not wish any elements of your response to be made publicly available, please mark these as confidential.

5.3 Deadline for Responses

The consultation period for this consultation is 28 days from the date of publication (1 April 2009) of this document. Therefore responses are required **by 29 April 2009**.

5.4 Help with Queries

If you have queries regarding any aspect of this consultation, please contact:

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6 Next Steps



Following receipt of responses to this consultation, National Grid will prepare and submit a report (in accordance with Electricity Transmission Licence Standard Condition C16 paragraph 8) to the Authority. The consultation document, consultation report, and all responses, will be published on National Grid's website:

www.nationalgrid.com/uk/Electricity/Balancing/consultations/.

The current version of the BPS can be found at the following link:

www.nationalgrid.com/uk/Electricity/Balancing/transmissionlicensestatements/



7 Appendix A

Marked-up BPS for Proposed Changes

Please see a separate document



8 Appendix B Consultation Questions

National Grid invites responses to this consultation by 9 April 2009. The responses to specific consultation questions (summarised below) or any other aspect of this consultation can be provided by completing the following proforma.

Please return the completed proforma to balancingservices@uk.ngrid.com.

Respondent:	
Company Name:	
Does this response contain confidential information? If yes, please specify.	

No	Question	Response (Y/N)	Rationale
1	<i>Do you agree that the changes summarised in Table 1 have been implemented correctly in the BPS in Appendix A?</i>		
2	<i>Do you agree that the changes proposed to the BPS in Appendix A should be made?</i>		
3	<i>Do you have any other comments?</i>		