Grid Code Development Issues

GCRP 10/03
February 2010

Table 1 - Consultation Papers - Current Status Report - February 2010

| Paper<br>Ref. | Grid Code Change Reference                                     | Current Status                                               | Notes                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------|----------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B/09          | Grid Code Requirements for Category 5<br>Intertripping Schemes | Pending Authority<br>Decision (linked to<br>CAP170 decision) | Informal Panel Meeting held on 2 <sup>nd</sup> March to discuss B/09 as Grid Code amendment consequential on CAP170 which has been given urgent status. Consultation undertaken and Report submitted to the Authority on 25 <sup>th</sup> March 2009. Ofgem issued RIA with request for comments by 3 <sup>rd</sup> July. RIA re-issued July with request for further comments by 28 <sup>th</sup> August. |
| C/09          | Housekeeping Amendments                                        | Consultation Closed                                          | Consultation issued 1 <sup>st</sup> May 2009. 2 comments received. Considering whether certain Housekeeping amendments required for Version 4 of the Grid Code following declaration of Go Active for the Offshore Transmission regime could be rolled-up with the earlier Housekeeping amendments.                                                                                                        |
| D/09          | Automatic LFDD                                                 | Pending Authority<br>Decision                                | Consultation issued 3 <sup>rd</sup> September with request for comments by 1 <sup>st</sup> October. 5 responses were received all broadly in support of the proposals. A Final Report to the Authority was submitted on the 11 <sup>th</sup> December 2009.                                                                                                                                                |
| E/09          | Reactive Provisions CAP169                                     | Authority have agreed implementation                         | The Authority issued a decision recommending the implementation of the proposals                                                                                                                                                                                                                                                                                                                           |
| F/09          | Grid Code changes relating to BSC Proposal P243                | Authority have agreed implementation                         | The Authority issued a decision recommending the implementation of the proposals                                                                                                                                                                                                                                                                                                                           |
| G/09          | G/09 Short Circuit Rating                                      | Final Report being<br>drafted                                | Consultation was published on the 12th November 2009 with 3 responses received by the close on the 10th December 2009. Final Report to the Authority is being drafted currently                                                                                                                                                                                                                            |
| H/09          | Submission of Detail Planning Data                             | Consultation Open                                            | Consultation was published on the 23 <sup>rd</sup> December 2009 with request for comments by the 27 <sup>th</sup> January 2010.                                                                                                                                                                                                                                                                           |

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Table 2 - Grid Code Review Panel – Outstanding Issues – January 2010

| Issue                                                                         | Summary of current position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date last<br>Reviewed | Status/Date Next review                | Priority |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------|----------|
| Voltage Range and Frequency Range                                             | Discussed at the May 2009 GCRP meeting. The issue concerns the lack of specification of the Voltage Range and Frequency Range in the Grid Code. This is now take over by a Working Group                                                                                                                                                                                                                                                                                                                                                             | 21/5/09               | Complete/ Working<br>Group established |          |
| High/Low frequency<br>trip settings on small<br>embedded plant.               | Perceived lack of clarity of requirements identified for plant between 5 and 50MW due to apparent gap in existing documents (G59 and G75). Cause for concern for future but recognise that issue needs to be resolved asap due to lead times for design and manufacture of plant.  Overtaken somewhat by establishment of the two E3C Working Groups following the report on the 27 <sup>th</sup> May 2008 incident.                                                                                                                                 | 23/09/04              | Complete/ Working<br>Group established |          |
| Protection where DC supplies would apply consequent on a tripping arrangement | Raised at a number of Grid Code Review Panel meetings in 2008 and 2009. The Panel agreed to add the topic to this Table 2 of outstanding Issues at the May 2009 GCRP meeting.                                                                                                                                                                                                                                                                                                                                                                        | 21/5/09               | Ongoing -20/05/10                      |          |
| Review of the<br>Structure of the Grid<br>Code                                | Whilst major changes in the industry have taken place since vesting in 1990 (e.g. NETA and BETTA) the structure of the Grid Code has remained basically the same. Further major changes such as the Offshore regime and Transmission Access will also occur in the next few years so it is appropriate to review the structure of the Grid Code. Options for changes were provided to the November 2008 Panel meeting and National Grid will continue to assess the options in the light of the Panel's comments at the November 2008 Panel meeting. | 20/11/08              | Ongoing -<br>20/05/10                  |          |
| Time Tagging of<br>Dynamic<br>Parameters,<br>NTO/NTB, QPN'S                   | Presentation to 5/09/02 GCRP meeting highlighted need for industry business cases to be developed in order to justify further progress on associated system changes.  Last mentioned in GCRP minutes 21/11/02. Panel Members agreed that business cases would need to be developed to justify the extensive changes to IS systems to accommodate Time Tagging. As of date nobody has come forward with a business case.                                                                                                                              | 20/09/07              | September 2010                         |          |

| Issue                                                                                         | Summary of current position                                                                                                                                                                                                                                                                                                                       | Date last<br>Reviewed | Status/Date Next review | Priority |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|----------|
| Regional Differences<br>in the Grid Code<br>including<br>Small/Medium/Large<br>Power Stations | GCRP obligation to consider regional differences included in the Grid Code. Working Group set up, focussing initially on definitions of Small/Medium/Large Power Stations. Implementation of B/06 on 1 <sup>st</sup> September 2006.  Panel agreed at September's 2008 GCRP to roll this work up into a review of the structure of the Grid Code. | 30/09/08              | Ongoing – 20/05/10      |          |
| Power Park Module<br>Extensions                                                               | The Grid Code PPM Working Group agreed that the issue regarding the applicability of technical requirements to PPM extensions would benefit from further analysis due to the complexity of issues surrounding the matter.                                                                                                                         | 07/09/06              | Ongoing – 20/05/10      |          |
| Codification of Generic Requirements currently included in Bilateral Agreements               | Review of current requirements in Appendix F5 which may be codified in the Grid Code.                                                                                                                                                                                                                                                             | 15/02/07              | Ongoing – 20/05/10      |          |
| Delegation of<br>Authority for Busbar<br>Switching Contracts                                  | ENA task group established to review existing processes.  The new format was trailed at Melksham i.e. DOA Contract referring to SRS and SRS detailed the relevant equipment. Group currently reviewing how best to proceed.                                                                                                                       | 20/11/08              | Ongoing – 20/05/10      |          |
| Control Telephony<br>Electrical Standard                                                      | Establishment of a Control Telephony Electrical Standard for Scotland                                                                                                                                                                                                                                                                             | 17/05/07              | September 2010          |          |
| System Telephony<br>Electrical Standard                                                       | Establishment of a System Telephony Electrical Standard                                                                                                                                                                                                                                                                                           | 20/09/07              | September 2010          |          |