Grid Code Development Issues

GCRP 07/15

May 2007

Table 1 - Consultation Papers - Current Status Report - 3rd May 2007

| Paper Ref. | Grid Code Change Reference | Current Status | Notes |
|---------------|---|---------------------|---|
| C/06 | Control Telephony Electrical Standard | Consultation Closed | Consultation closed on 19 th September 2006, 8 replies received. |
| E/06 | Low Frequency Demand Disconnection Relay Settings | Implemented | Authority approval received on 27 th February 2007, implemented on 1 st April 2007. |
| F/06 | Control and System Telephony | Consultation Closed | Consultation closed on 17 th January 2007, 7 replies received. |
| G/06 | Power Park Modules and Synchronous Generating Units | Consultation Closed | Consultation closed on 18 th January 2007, 16 replies received. |
| A/07 | Management of No System Connection | Consultation Closed | Consultation closed on 29 th March 2007, 8 replies received. |
| B/07 | Improved Planning Code Data Exchange for Compliance Assessments | Consultation Closed | Consultation closed on 16 th April 2007, 10 replies received. |

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Table 2 - Grid Code Review Panel – Outstanding Issues – 3rd May 2007

| Issue | Summary of current position | Date last Reviewed | Date Next review |
|---|--|-----------------------|-------------------|
| Time Tagging of Dynamic Parameters, 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 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. | 21/1/02 | September 2007 |
| Capacity terms used in the Grid Code | Generation Capacity and Registered Capacity are defined differently in the BSC and Grid Code respectively and the need has been identified to review the various capacity terms used in the Grid Code with a view to rationalisation. | 17/05/07 | On-going |
| High/Low frequency trip settings on small 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 leadtimes for design and manufacture of plant. DCRP Working Group established, GCRP to be kept informed of relevant developments decisions. | 23/09/04 | On-going |
| Protocols for review of Target Frequency | Clarification required on how changes to Target Frequency are communicated. Target frequency is currently sent out to Generators via the Operational Broadcast System. This is a PC based dial up system. A replacement system is in the process of being procured and is expected to be operational in about 12 months time. | 17/05/07 | Complete |

| Issue | Summary of current position | Date last Reviewed | Date Next review |
|--|---|-----------------------|-------------------|
| Regional Differences in the Grid Code including Small/Medium/Large 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 st September 2006. Review of outstanding issues to be completed. Panel agreed at September's GCRP to add the remaining regional differences items to the outstanding issues list. | 1/11/05 | September 2007 |
| Multi BM Unit Issues | Treatment of Multi shaft BMU's for winter 2004/05 raised in paper GCRP 04/22. Issue to be progressed as soon as possible in 2005 to consider an enduring solution. Enduring solution delayed till 2006. Current process to remain in place for winter 2006/07. National Grid will send out a letter to all owners of CCGT BMUs confirming the continuation of the current arrangements. | 19/05/05 | On-going |
| Power Park Module 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 | On-going |
| System Security | Ensure that the GCRP and the industry are kept informed of any developments. | 24/11/05 | On-going |
| 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 | On-going |
| Grid Code Implications of New Technologies | Review pending on new generation Grid Code obligations | 15/02/07 | Ongoing |

| Issue Summary of current position | | Date last Reviewed | Date Next review |
|---|--|-----------------------|------------------|
| Delegation of Authority for Busbar Switching Contracts | ENA task group established to review existing processes. At the first meeting the new format including DOA where applicable was circulated to each DNO for comments and to provide feedback at 2 nd meeting on 22 nd May. At the meeting there were no adverse comments. Discussions taking place with relevant DNOs regarding the trailing of this format at Melksham. | 15/02/07 | On-going |

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Table 3 - Grid Code Review Panel – Regional Differences Issues – 01/02/07

| Issue | Summary of current position | Date last Reviewed | Date Next review |
|---|--|-----------------------|------------------|
| Technical requirement covering CC.6, CC.A.3, Planning Code requirements, OC5, BC2.A.2.6 and including any relevant definitions which may be grouped into the following areas:. O Voltage Fluctuation O Fault Clearance Time O Protection Equipment | the matter in a year's time. | 21/09/06 | September 2007 |
| Operational process and interfaces, mainly the Operating Codes, including relevant definitions which may be grouped into the following areas: OC1 & OC2 – Demand Blocks, Load Transfer capability OC7 – Operational Switching OC9 – Black Start | | 21/09/06 | September 2007 |
| The feasibility of merging the two sections of OC8 (Safety Coordination). | September 2006's GCRP, Panel agreed to review the matter in a year's time. | 21/09/06 | September 2007 |