

COMPLIANCE TESTING PROCESS AND RELATIONSHIP WITH OC5

(Discussion Proposals by National Grid)

Introduction

1. The meeting of the Grid Code Review Panel in September 2007 set up a working group to examine how the compliance process might be brought under the governance of the Grid Code. Since then, a working group has been developing proposals for incorporating the compliance process in the Connection Conditions of the Grid Code.
2. This paper sets out the philosophy proposed by National Grid for incorporating the test requirements required to demonstrate Grid Code compliance within the Grid Code and the related revision of OC5.

Philosophy of Proposals – Incorporation of Guidance Document Process

3. The working group set up by the Panel has been developing the proposals for the Grid Code in stages starting from the basic compliance process for a directly connected power station. This has been incorporated in CC.4 and CC5. The process as drafted includes for the submission of simulation studies and completion of tests to demonstrate compliance with the Code. National Grid believes that details of the tests required should be set out in two further Appendices to the CCs, one for synchronous plant and one for Power Parks.
4. For consistency tests already included in the CCs, particularly CC.A.6 and CC. A.7 will be moved to the new Appendices and the existing clauses reworded.

Philosophy of Proposals – Relationship with OC.5

5. OC5 provides the necessary procedures for monitoring and testing of generating units against the Grid Code, Balancing Mechanism parameters or Ancillary services requirements. OC5 also details on site monitoring signals and test assessment criteria.
6. To avoid alteration to the CUSC which substantially references OC5, National Grid proposes to maintain OC5 for monitoring during lifetime and diagnostic testing to define extent of problem(s). However, to remove duplication the details of test acceptance and signal to be made available on site currently contained in OC5 will be moved to the new Appendix on tests to be included in the CCs. Suitable cross referencing will be need in OC5.
7. The monitoring and testing of operational data for the Balancing Mechanism and Black Start will remain in OC5.

Recommendation

8. The Working Group is asked to discuss the philosophy of incorporating the requirements for testing as Appendices to the CCs and the associated revision of OC5.