

Operational Notification Procedure

Information Note

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1 Introduction

This document is intended to set out some high-level information and guidance for Grid Code compliance testing. It is published in the context of several new customers connecting generation to the transmission and distribution systems and an increase in existing generation carrying out replacement or upgrade works.

2 Grid Code Compliance

Under the Operational Notification procedure set out in Grid Code section CC.15¹, the customer is responsible for demonstrating Grid Code compliance to the TSO via completion of EON, ION, FON checklists. The procedure includes:

- provision and verification of data,
- testing and reporting the performance and capability of the plant, including assessment against standards set out in the Grid Code.

Items in the EON, ION, FON checklists will be considered closed when the TSO accepts/approves the relevant report, not based on witnessed testing alone.

3 Operational Configuration During Testing

Testing to demonstrate Grid Code compliance or to establish Registered Characteristics shall be carried out with the unit in normal operational configuration. Testing shall reflect the actual capability of the unit in a normal operational configuration, as opposed to a hypothetical capability that can/will not be achieved in normal operation. Use of any additional equipment or non-standard settings to demonstrate Grid Code compliance or Registered Characteristics shall be agreed in advance with the TSO.

4 Reporting and Templates

Test procedure templates and test report templates have been provided - setting out a standard to be used by the customer in demonstrating Grid Code compliance in line with Grid Code section CC.15. Where the content of those templates is not suitable for a given unit, the owner may propose appropriate deviations or alternatives to the TSO.

4.1 Procedures

For any testing where a procedure template does not exist, the procedures developed by the customer will include the following:

- Grid Code clauses and pass criteria,
- method of testing, including test steps,
- space to document progress and result during testing.

¹ <https://www.eirgridgroup.com/site-files/library/EirGrid/GridCode.pdf>

4.2 Reports

For any testing where a report template does not exist, the reports developed by the customer will include the following:

- Grid Code clauses and pass criteria,
- method of testing,
- summary - including timing of testing, witnesses, any relevant conditions, outcomes,
- engineering analysis - assessment of test data and comparison against pass criteria,
- conclusion.

5 Upgrades and Replacements

5.1 Connection Agreement

Demand and generation customers may apply to change certain elements of their connection agreements by submitting a formal modification request to EirGrid. For more information modification requests, visit the EirGrid website, [here](#)².

5.2 Grid Code Compliance

When a customer plans to upgrade or replace the plant or any part of the plant, those upgrades shall comply with the relevant Grid Code clauses. The extent of the clauses which apply, and associated testing will be agreed in advance with the TSO.

The customer shall make a submission to the TSO including:

1. scope and extent of the proposed upgrade or replacement,
2. assessment of how the works may impact any existing derogations,
3. assessment of the applicability of the relevant RfG or HVDC clauses in line with the published guideline³,
4. request for a meeting to review and agree scope of testing and which Grid Code clauses will apply.

This engagement should be completed before the purchase of plant has been finalised.

Where Grid Code testing is carried out following replacement or upgrade works, the report(s) shall clearly indicate the scope of work carried out and which clauses were deemed to apply.

Any queries shall be directed to GeneratorTesting@eirgrid.com.

6 Final Operational Notification / Operational Certificate

The TSO may issue a FON or Operational Certificate when all relevant derogation applications have been validated. The TSO will consider the significance of those derogation applications when determining whether to issue a FON or Operational Certificate or not.

² <https://www.eirgridgroup.com/customer-and-industry/becoming-a-customer/generator-connections/>

³ <https://www.eirgridgroup.com/site-files/library/EirGrid/Guideline-for-the-Application-of-Connection-Network-Codes-to-Existing-Users-V1.0.pdf>