

Title: Engineering Recommendation P2 Security of Supply

Target Audience: The guidance in Engineering Recommendation P2 (EREC P2) will be of interest to Distribution Network Operators, Distribution System Planners, Customers, Demand Side Response providers, Distribution Energy Resource providers, and all other Interested Distribution Code Stakeholders.

Date Published: 12th January 2018

Deadline for responses: 12th February 2018

Summary

This Distribution Code public consultation is seeking the views from industry stakeholders on the proposed modification to Engineering Recommendation (EREC) P2.

Security of Supply requirements previously provided in ER P2 Issue 6 (2006), would, if approved, be superseded by the modified Engineering Recommendation (EREC) P2 Issue 7 (2018).

The recommended revision to EREC P2 will ensure that DNOs can efficiently utilise Distributed Energy Resources (DER) within their network designs.

EREC P2 is an Annex 1 qualifying standard to the GB Distribution Code¹ and governed by the Distribution Code Review Panel (DCRP). The DCRP establish and maintain governance arrangements for Qualifying Standards that have a material effect on Users of the Distribution System. Annex 1 documents are approved by the Authority before publication. EREC P2 is also a Distribution licence requirement.

1. Introduction

EREC P2 is intended as a guide to system planning. The proposed modification of this document has been written to recognise the changes to the load and generation connected to distribution networks since ER P2/6 was published in 2006. In particular it recognises that:

- some demand customers are modifying their electricity consumption in response to market signals; this means that further consideration has to be given to establishing the true demand on the network;
- in addition to providing security of supply from network assets and distributed generation, demand side services can also contribute to security of supplies; and
- the nature and type of distributed generation connected to the network mean that their contribution to security of supplies is different to that in ER P2/6.

In order to accommodate these changes the emphasis of the new document is focused on defining the minimum level of security of supply that should be achieved rather than how that level should be achieved. The main changes proposed in this revision are:

- EREC P2 is clarified as a standard defining the security of supply that is to be achieved, whilst ETR130, which is in the process of being reviewed, becomes a document describing how that security of supply should be achieved;
- Formally incorporate DER into EREC P2;
- Remove F-Factors and other tables associated with the security contribution from Distributed Generation which is already duplicated in ETR130;
- Refresh the definition of demand to appropriately include consideration and treatment of flexible resources such as DG and DSR; and
- Specifically exclude the security of supply to Distributed Generation installations from the scope of EREC P2 as justified by the earlier work phases.

¹ <http://www.dcode.org.uk/the-gb-distribution-code/>

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Following the above changes, work will continue with the updates of ETR130 and the review of the mandated security in Table 1 of P2.

2 Analysis and Proposal

The DCRP P2 Working Group who have been working on the revision are now requesting comments from Industry stakeholders on the contents of the draft EREC P2/7.

A copy of the draft EREC P2/7 and comment proforma are included in the consultation pack.

3 Applicable Distribution Code Objectives

The Applicable Distribution Code Objectives are to:

- a. permit the development, maintenance, and operation of an efficient, co-ordinated, and economical system for the distribution of electricity; and
- b. facilitate competition in the generation and supply of electricity; and
- c. efficiently discharge the obligations imposed upon distribution licensees by the distribution licences and comply with the Regulation and any relevant legally binding decision of the European Commission and/or the Agency for the Co-operation of Energy Regulators; and

4 Consultation Questions

- 4.1 Do you agree that the proposed amendments achieve the Distribution Code Objectives?
- 4.2 Do you agree with the proposed text contained in the draft EREC P2, or do you have any alternatives to propose?

5. Next Steps

Responses to this consultation should be sent to the Distribution Code Review Panel Secretary at dcode@energynetworks.org by **17:00 12th February 2018** on the proforma provided expressly for the purpose. Responses received after this date may not be considered.

6. Consultation Pack

- Consultation paper
- Draft EREC P2/7
- ER P2/6 changed tracked showing the proposed changes
- Proforma comment form

For more information, please contact:

David Spillett – Code Administrator

dcode@energynetworks.org