

Distribution Code Consultation DCRP/19/03/PC

Engineering Report (ERE) 130 Issue 3 (2019)

Guidance on the application of Engineering Recommendation P2, Security of Supply

Target Audience:

The guidance in Engineering Report 130 (ERE 130) Issue 3 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: 08 February 2019

Deadline for responses: 17:00 Thursday March 7th 2019

Summary:

This Distribution Code public consultation is seeking the views from industry stakeholders on the proposed modification to Engineering Report (ERE) 130.

Guidance on the application of Engineering Recommendation P2, Security of Supply requirements previously provided in ERE 130 Issue 2 (2014), would, if approved, be superseded by the modified Engineering Reepert (ERE) Issue 3 (2019).

The recommended revision to ERE 130 will ensure that DNOs can efficiently utilise Distributed Energy Resources (DER) within their network designs.

ERE 130 is an Annex 2 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 2 Qualifying Standards, such as ERE 130, can be approved by the DCRP where unanimity is reached by the DCRP; however the expectation is that, because of its nature, ERE 130 will be submitted to Ofgem for approval.

1. Introduction

ERE 130 Issue 3 provides guidance on how to meet the system security requirements laid out in EREC P2/7 with respect 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:

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

- 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 (DG), Demand Side Response (DSR) services and Energy Storage (ES) can also contribute to security of supplies; and
- the nature and type of distributed generation now 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 how to assess the security contributions offered by DG, DSR, and ES when making a conformance assessment against the EREC P2/7 security of supply standard. The main changes proposed in this revision are to:

- Align EREP 130 with EREC P2/7.
- Provide new guidance on assessing the contribution to security from, and the latent demand associated with, Demand Side Response schemes and Electricity Storage.
- Update the F factors for assessing contribution to security from Distributed Generation, using recent data from DG, based on work carried out for ENA by Imperial College London.
- Differentiate the contribution to security from DG, DSR and ES which is contracted with a Distribution Network Operator (DNO) and that which is not.

2. Proposal

The DCRP P2 Working Group who have been overseeing the work on the revision by an EREP 130 Working Group are now requesting comments from Industry stakeholders on the contents of the draft EREP 130 Issue 3.

A clean and change tracked (from Issue 2) copy of the draft EREP 130 Issue 3 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
- d) promote efficiency in the implementation and administration of the Distribution Code.

4. Consultation Questions

- Do you agree that the proposed amendments to EREP 130 achieve the Distribution Code Objectives?
- Do you agree with the proposed text contained in EREP 130 Issue 3, 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 March 7th 2019** on the pro-forma provided expressly for the purpose, or via any other convenient means. The pro-forma is can be found in the consultation pack. Responses after this date may not be considered.

6. Consultation Pack

The DCRP/19/03/PC Consultation pack can be found here - <http://www.dcode.org.uk/consultations/open-consultations/>

The consultation pack includes:

- This consultation paper
- Draft EREP 130 Issue 3(clean)
- EREP 130 Issue 2 change tracked showing the proposed changes
- Review of EREP 130 F Factor Analysis Report
- Proforma comment form

For more information, please contact:

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