

| DCRP – Distribution Code Standards – Update for DCRP meeting 2 June 2016 | | |
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| Work ongoing | | |
| Annex 1 Qualifying Standards | | |
| Document | Summary | Status |
| EREC G5/4-1 - Planning Levels for Harmonic Voltage Distortion and the Connection of Non-Linear Equipment to Transmission Systems and Distribution Networks in the UK | Meetings of the WG have resumed, with WG meetings being held on 2 March and 10 May 2016. The philosophy has been re-examined in the light of comments on the draft and some experience of using the proposed procedures. This is likely to result in some significant simplification of parts of the document. It is now estimated a draft for consultation will be available in August 2016. | DCRP sanctioned. Revision in progress |
| EREC P2 – Security of Supply | <p>The work continues to progress completion of phase 1 expected July 2016.</p> <p>Public Consultation opened 2 May 2016 and will close 17:00 12 June 2016. The DCRP P2 WG are seeking responses from industry parties and stakeholders relating to the questions outlined in the consultation document relating to potential options for reform of ER P2.</p> <p>Full details of the consultation and how to respond can be found here.</p> <p>All minutes and progress reports uploaded and available at the D Code website .</p> | DCRP sanctioned. Revision in progress |
| EREC S34 – A Guide for Assessing the Rise of Earth Potential at Substation Sites | The estimated delivery of a draft EREC S34 suitable for consultation is now Q3 2016. | DCRP sanctioned. Revision in progress |
| TS 41-24 - Guidelines for the Design, Installation, Testing and Maintenance of Main Earthing Systems in Substations | The project on risk assessment studies is under way with separate subgroup meetings taking place. Work on the remainder of the document is substantially complete apart from final apportionment of content between EREC S34 and TS 41-24. Estimated delivery of consultation draft: Q3 2016. | DCRP sanctioned. Revision in progress |
| ER P28 – Planning limits for voltage fluctuations caused by industrial, commercial and domestic equipment in the UK. | The Phase 3 Revision Phase commenced in September 2015 as planned. Individual P28 sub-working groups have been established and are working through the proposed amendments identified in Phase 2 by the main P28 working group. Meetings of the P28 working group are taking place every 6-8 weeks (see DCode website for details). The Phase 2 report was | DCRP sanctioned. Revision in progress |

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| | <p>submitted to the Secretaries of the DCode and GCode Review Panels in early February 2016 and has now been accepted by the DCode Review Panel without comment. Clarification on the Terms of Reference for the revision of P28 has been received from the Secretary of the DCode Review Panel, where P28 Issue 2 will remain a customer facing document and will not include limits or requirements for system/network operators own equipment. Drafting of the revised P28 Issue is in progress with submission of a 1st draft still scheduled for June 2016. A final draft is scheduled for the end of October 2016. The intention is that a Engineering Report to accompany P28 Issue 2 will be published.</p> | |
| ER P24 – AC Traction Supplies to British Rail | <p>A paper was submitted to the ENFG in September seeking the members view on the future strategic ownership details raised by Network Rail. Consensus from ENFG on the ownership boundary not yet communicated. The details of the ownership debate were discussed again by the Task Group on 23/09/15 and it was suggested that DNO/TNO continuing to own 25 kV assets as per P24 is agreeable but where power electronics/developing technology are proposed for a connection, then careful consideration and NR ownership would be preferable. The Earthing Co-ordination Group have been requested to review the earthing guidance in P24 - comments expected by end of April 2016.</p> <p>P24 currently in working draft version. Next meeting of P24 revision team is 14/04/16. The Working group agreed that TS 41-15 Part 9 could be archived as high-level protection aspects will be captured in P24. P24 will include some informative background on the developing 'converter connection' for AC traction supplies. Next meeting 07/07/16 at NPg offices.</p> | DCRP sanctioned. Revision in progress. |
| ER P25 - The Short Circuit Characteristics of Public Electricity Suppliers' Low Voltage Distribution Networks and the Co-ordination of Overcurrent Protection Devices on 230V Single Phase Supplies up to 100A. | <p>Initial review completed and report published 25/02/16. Since the document was published in 1996, a number of the references in the document, have been revised or superseded. Much of the technical content of ER P25 is still relevant and no major errors were identified.</p> <p>The document appears to have served the industry well since it was published. This initial review has identified that a minor revision of the document is required to update the document against current Standards and practice.</p> | DCRP sanctioned. Revision in progress. |

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| | <p>Feedback from Member Companies has confirmed that ER P25 remains relevant and is required. The Member Companies have highlighted a number of clarifications and confirmations that are required during the revision. P25 and P26 to be amalgamated into 1 document. Revision commenced. Revision to be conducted via a Task Group in accordance with DCRP procedures. Confirmed representatives for the P25&P26 Task Group from UKPN, SPEN and SSE. Awaiting response from other DNOs and IDNOs.</p> | |
| ER P-26 – The Estimation of the Maximum Prospective Short-Circuit Current for Three Phase 415V Supplies. | <p>Initial review completed and report published 25/02/16. Feedback from Member Companies has confirmed that ER P26 remains relevant and is required. The Member Companies have highlighted that the increase in LV distributed generation is an important consideration for fault level at the LV busbars. The impact of this generation should be investigated to determine whether the PSSC values declared in ER P26 need to be amended. Indeed, the revision of G74, which is currently in progress, should consider calculation of fault level of LV busbars with the objective of validating the PSSC values in ER P26.</p> <p>The content in P26 is very similar ENA Engineering Recommendation P25, which provides guidance on the estimation of PSSC for 230 V single-phase supplies. It is recommended that a revisions of ER P26 and ER P25 are undertaken together with a view to amalgamating the documents. P26 revision commenced and document to be amalgamated with P25 - see notes on P25.</p> | DCRP sanctioned. Revision in progress. |
| ER P14 - Preferred switchgear ratings | <p>Initial review completed and report published 25/02/16. EREC P14 was first published 44 years ago in 1971 and has not been amended since. Although it is referenced in Annex 1 Distribution Code (DCode) as a Qualifying Standard, it is not specifically referenced in any clauses in the DCode. This initial review has identified that the majority of requirements, in EREC P14, are covered in other ENA engineering documents.</p> <p>The report concludes that ER P14 is no longer required and can be withdrawn, providing the Dcode Annex 1 is updated accordingly.</p> <p>A paper will be submitted to June meeting of DCRP seeking approval to remove reference to P14 from D Code.</p> | DCRP sanctioned. Revision in progress. |

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| ER P29 - Planning limits for voltage unbalance in the UK for 132kV and below | <p>Initial review completed and report published 25/02/16. Since the document was last amended in 1990 modern National and International Standards for Electromagnetic Compatibility (EMC) have been published and ER P29 needs to be aligned, where appropriate, with the terminology, concepts and requirements in these Standards. Much of the technical content of ER P29 is still relevant and no major errors were identified. The document appears to have served the industry well since it was published. However, the technical content needs to consider any changes resulting from unbalanced demand/generation in single-phase connections that are known to cause voltage unbalance issues.</p> <p>Feedback from the ENA Power Quality and EMC Group confirms that ER P29 remains technically relevant and there is support for a 'Working Group' revision - similar to those for revision of ER G5 and ER P28. It is recommended that revision of ER P29 should follow completion of the revision of ER G5 and ER P28. This would allow learning points on common aspects from the revision of ER G5 and ER P28 to be incorporated in ER P29.</p> | DCRP sanctioned. Revision in progress. |
| Appendix 2 Qualifying Standards | | |
| ER G81 Parts 1-3 2008 Framework for design and planning, materials specification, installation and record for low voltage housing development installations and associated new HV/LV distribution S/Stns. | <p>Ofgem has consented to the progress of the documents given no comments were received from the Electricity Connections Steering Group. Since last DCRP discussions in September a number of edits have been required. A final document has been produced and issued to the ENFG. Minor comments from the ENFG are being addressed and the Final document will then be submitted to Panel for approval to publish. Expected to be submitted for Panel approval in April. Received Distribution Code Review Panel approval and was published on the ENA Engineering Document catalogue at the end of April 2016.</p> | DCRP sanctioned. Revision completed. |
| ER G81 Part 4-6 2008 Framework for the design and planning of industrial and commercial underground connected loads up to and including 11kV. | <p>Ofgem has consented to the progress of the documents given no comments were received from the Electricity Connections Steering Group. Since last DCRP discussions in September a number of edits have been required. A final document has been produced and issued to the ENFG. Minor comments from the ENFG are being addressed and the Final document will then be submitted to Panel for approval to publish. Expected to be</p> | DCRP sanctioned. Revision completed |

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| | submitted for Panel approval in April. Received Distribution Code Review Panel approval and was published on the ENA Engineering Document catalogue at the end of April 2016. | |
| ER G81 Part 7 2008 Framework for contestable diversionary and reinforcement underground and overhead works not exceeding 33kV and HV/LV distribution S/Stns | Ofgem has consented to the progress of the documents given no comments were received from the Electricity Connections Steering Group. Since last DCRP discussions in September a number of edits have been required. A final document has been produced and issued to the ENFG. Minor comments from the ENFG are being addressed and the Final document will then be submitted to Panel for approval to publish. Expected to be submitted for Panel approval in April. Received Distribution Code Review Panel approval and was published on the ENA Engineering Document catalogue at the end of April 2016. | DCRP sanctioned. Revision completed. |
| ENA DG Connections Guide | Stakeholder consultation completed and subsequent revision to the guides completed. Since last DCRP meeting in December some further amendments were required to the Guides. The Consultants now working on producing final drafts that will be submitted to the Panel for final approval to publish at the earliest opportunity. Received Distribution Code Review Panel approval and was published on the ENA Engineering Document catalogue at the end of April 2016. | DCRP sanctioned. Revision completed |