

DCRP – Distribution Code Standards – Update for DCRP meeting 65 - 7 September 2017		
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	<p>National Grid continues to lead on this work although now under the governance of the DCRP. The last meeting of the full WG was 18th April 2017. Meeting notes should be available on the National Grid website. Key progress to date-</p> <p>The sub-groups work has continued to progress:</p> <p>Stage 1 and 2 Sub-group: WPD are chairing this Sub-group. A presentation on this was provided at the last meeting. In response to comments made at that meeting and those received informally from a member of GAMBICA a number of refinements have subsequently been made to the text and the latest text has been circulated to the following:</p> <ul style="list-style-type: none"> - members of the Stage 1 & 2 sub-group - members of the Stage 3 sub-group and - informally to the same a member of GAMBICA <p>Stage 3 Sub-group: Chaired by National Grid . Two meetings held since the last full WG meeting. Work ongoing. Next meeting is 4th September 2017.</p> <p>Harmonics above 50th Sub-group: Chaired by Siemens. Has met 3 times since the last full WG meeting.</p> <p>Next full WG meeting is provisionally scheduled for September but as Stage 3 sub-group didn't have a proposal they were waiting until that had progressed further. The draft text prepared by National Grid hasn't changed for some time but clearly the Stage 1 and 2 sub-group text is intended to replace the draft text on Stage 1 & 2 that National Grid had prepared. Note also that a case has been made for introducing distinct Planning Levels for 33kV.</p>	DCRP sanctioned. Revision in progress
EREC P2 – Security of Supply	<p>Following on from the four Network Operator only workshops, the ENA P2 working group met to draft proposed changes to P2. The purpose of this initial change to P2 is to;</p> <ol style="list-style-type: none"> 1. Clarify the scope and objectives of P2 versus ETR130 which have become entangled with both considerable duplication and significant omissions. P2 is clarified as a standard defining what should be considered and attained, whilst ETR130 becomes a how to recommendation. 	DCRP sanctioned. Revision in progress

	<p>2. Formally incorporate Distributed Energy Resources (DER) into P2, 3. Remove F-Factors and other tables already duplicated in ETR130, 4. Refresh the definition of demand to appropriately include consideration and treatment of flexible resources such as DG and DSR, 5. Specifically exclude Distributed Generation from the scope of the security standards required by P2 as justified by the earlier work phases.</p> <p>A working draft ER P2/7 will, subject to ENFG agreement before being presented to the DCRP P2 working group for consideration with the aim of submitting a formal DCRP proposal for modification in December 2017. Subject to DCRP approval this would then lead to a formal DCRP consultation, request for approval by the Authority and subsequent implementation around quarter two 2018. After this initial modification (known as 2a) it is proposed that two further stages are progressed in parallel.</p> <p>Stage 2b will review the level of security detailed in the standard and the method of determining group boundaries. This stage contains considerable stakeholder challenges as well as requiring detailed computational analysis. Whilst offering additional benefits and savings, these are of lower value than those enabled by stage 2a.</p> <p>Stage 2c will tidy up ETR130 incorporating those elements removed from P2 where appropriate and improving the structure of the document. More significantly it will revisit all tables and provide new tables for DSR etc. Due to the challenge of the analysis required by stages 2b and 2c it is recommended that ENA will need to look at tendering for this work.</p> <p>There are considerations with this recommended approach as it will temporarily leave us in a position with an approved 2a but without the accompanying stages 2b and 2c. It is the ENA working group's view that it is not practicable to achieve all three stages within 2017 and that 2a unlocks the majority of the benefits for customers. The recommended staged approach is therefore designed to fast-track the savings associated with DER and then pursue the lesser benefits in the following year. It is of note that both P2 and ETR130 acknowledge that DNOs should use a CBA approach to design decisions and hence all have internal planning policies that vary from ETR130. It is therefore true to say that DNOs are already able to access this second level of benefits.</p>	
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EREC S34 – A Guide for Assessing the Rise of Earth Potential at Substation Sites	A final WG draft is complete and no further WG meetings are planned. Editing is being carried out prior to sign off from all WG members. An editing meeting was held on 10 July which revealed deficits with the drawings – these are being amended. A few technical points are also being reviewed. A WG sign-off meeting will be held 2 October. Estimate for submission to GCRP/DCRP seeking approval for public consultation: end of October 2017.	DCRP sanctioned. Revision in progress
TS 41-24 - Guidelines for the Design, Installation, Testing and Maintenance of Main Earthing Systems in Substations	A final WG draft is almost complete and no further full WG meetings are planned – An editing meeting was held 15 August and a few technical points are being reviewed. A WG sign-off meeting will be held on 2 October. Estimate for submission to GCRP/DCRP seeking approval for public consultation: end October 2017.	DCRP sanctioned. Revision in progress
ER P28 – Planning limits for voltage fluctuations caused by industrial, commercial and domestic equipment in the UK.	The final draft version 3 of P28 Issue 2 was issued for final comments on 1 August. Deadline for comments is 22 August. It is expected that the final amended version will be submitted to the DCRP in September 2017 requesting approval to proceed to public consultation.	DCRP sanctioned. Revision in progress
ER P24 – AC Traction Supplies to British Rail	A final draft is near completion. A number of actions are still outstanding for Network Rail. In addition the ENA Earthing Co-ordination Group is considering some technical queries - they intend to discuss these on 23rd June. A date for when the document will be submitted to the DCRP for approval to proceed to public consultation will be advised after this ECG meeting.	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.	Revision commenced. P25 and P26 documents amalgamated (P25 Issue 1 supersede, P26 Issue 1 withdraw). Public consultation of the final draft closed on 14th April 2017. Public Consultation complete working group reviewing comments. Subsequent to the consultation, a Member Company has flagged an outstanding comment. Document to be ready for DCRP review by 15/09/17.	DCRP sanctioned. Revision in progress.
ER P-26 – The Estimation of the Maximum Prospective Short-Circuit Current for Three Phase 415V Supplies.	See notes on P25.	DCRP sanctioned. Revision in progress.
ER P29 - Planning limits for voltage unbalance in the UK for 132kV and below	No work to date. Revision to be reviewed on completion of P28 and G5 work.	DCRP sanctioned. Revision on hold

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Appendix 2 Qualifying Standards	No work on-going	