

## DCRP – Distribution Code Standards – Update for DCRP meeting 66 - 26 October 2017

### Work ongoing

### Annex 1 Qualifying Standards

Document	Summary	Status
<p>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>	<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 <a href="#">National Grid website</a>. Key progress to date-</p> <p>The sub-groups work has continued to progress:</p> <p><b>Stage 1 and 2 Sub-group:</b> 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"> <li>- members of the Stage 1 &amp; 2 sub-group</li> <li>- members of the Stage 3 sub-group and</li> <li>- informally to the same a member of GAMBICA</li> </ul> <p><b>Stage 3 Sub-group:</b> Chaired by National Grid. Two meetings held since the last full WG meeting. Work ongoing. Next meeting is 4th September 2017.</p> <p><b>Harmonics above 50th Sub-group:</b> Chaired by Siemens. Has met 3 times since the last full WG meeting.</p> <p>Next full WG meeting is scheduled for <b>9 November</b>. It is expected that the Stage 3 sub-group will submit the latest draft proposal for discussion. 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 &amp; 2 that National Grid had prepared. Note also that a case has been made for introducing distinct Planning Levels for 33kV.</p>	<p>DCRP sanctioned. Revision in progress</p>
<p>EREC P2 – Security of Supply</p>	<p>At the last DCRP we discussed an initial proposed change to P2, as a reminder, these changes included:</p> <p>1. Clarity 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.</p>	<p>DCRP sanctioned. Revision in progress</p>

	<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>The next stage is to discuss these proposed changes with the wider DCRP P2 Working Group. A meeting is scheduled for 17th November. Once agreed with all relevant stakeholders, the aim is to submit a formal DCRP proposal for modification to the Panel 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.</p> <p>Phase 2b and 2c would follow as discussed previously.</p>	
EREC S34 – A Guide for Assessing the Rise of Earth Potential at Substation Sites	Outstanding technical issues have been resolved. A final WG draft has been edited and signed off by the WG. The draft is now with ENFG Members for acceptance. Estimate for submission to GCRP/DCRP seeking approval for public consultation: November 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 has been edited and signed off by the WG. The draft is now with ENFG Members for acceptance. Estimate for submission to GCRP/DCRP seeking approval for public consultation: November 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. Comments were received from the ENA Energy Networks Futures Group (ENFG). Responses to these comments and proposed amendments to P28 Issue 2 have been agreed by the P28 Working Group. The amended draft version 3.3 of P28 Issue 2 has been sent back to the ENFG for acceptance with a deadline of 20 <sup>th</sup> October 2017. It is expected that the final amended version will be submitted to the DCRP by the end of October 2017 requesting approval to proceed to public consultation.	DCRP sanctioned. Revision in progress
ER P24 – AC Traction Supplies to British Rail	P24 Working Group reviewing latest document draft – deadline for completing review is 27/10/17. Following completion of review, intention is to proceed to public consultation, subject to no outstanding Group comments.	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>Revision commenced. P25 and P26 documents amalgamated (P25 Issue 1 supersede, P26 Issue 1 withdraw).</p> <p>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.</p> <p>11/10/17 - comment submitted by Member Company at ENFG acceptance stage. Short note to be added to document to address comment. Intention is to proceed with consultation process once NOTE is agreed (expected 20/10/17).</p>	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	<b>No work to date. Revision to be reviewed on completion of P28 and G5 work.</b>	DCRP sanctioned. Revision on hold
<b>Appendix 2 Qualifying Standards</b>	No work on-going	