

Distribution Code Review Panel
Meeting 72 – Thursday 4 October 2018
To be held at ENA, 4 More London

Distribution Code Annex 1 & 2 Qualifying Standards Review

At the Panel meeting in February the Authority representative requested that the Panel undertake a review of all Annex 1 and Annex 2 Qualifying Standards to ensure they meet the specific DCode criteria for being assigned as a Qualifying Standard (QS) and those that did not should be removed or reassigned ie Annex 1 to Annex 2 or Annex 2 to a Annex 1 QS. The example given was the approval of ER P25 earlier this year which in the view of Ofgem was not a Annex 1 document and therefore should not have been submitted for approval.

In the Distribution Code Constitution and Rules document V7 (May 2017) Standard Procedure 1 sets out the arrangements for governance of Qualifying Standards established by the Distribution Code Review Panel pursuant to DGC4.2 (h) of the Distribution Code and paragraph 4.1 (h) of the Constitution and Rules of the Panel.

The governance arrangements are applied to those technical standards that have been identified as having a material affect on Users. All Annex 1 Standards and Annex 2 Standards are owned by the DNOs and developed by a **transparent and inclusive process** through the Panel with appropriate consultation and publicity as determined in accordance with Standard Procedure 1 and as otherwise determined by resolution of the Panel.

DNOs and Users, and the Authority on behalf of Users in relation to individual DNO Standards, may raise issues on QSs in the Panel subject to a materiality test applied by the Panel. The materiality test may be applied to the standard itself and/or to the applicability of the standard in particular circumstances. It is a prerequisite that the standard or part of the standard subject to review must impose technical obligations on a User before it may be reviewed by the Panel.

The following are indicative of the issues to be taken into account in when considering materiality:

1. The DNOs statutory and licence obligations;
2. Impact on industry commercial arrangements;
3. Impact on competition;
4. Impact on industry developments such as distributed generation;
5. Impact on the cost of and practicability of User connections;
6. Impact on the cost and practicability of User operations;
7. Impact on the cost and practicability and performance of DNO network provision;
8. Impact on the cost and practicability and performance of DNO operations; and
9. Potential for change to the standard or its application and the cost of review

With the approval of ER G98 and G99 there are now 13 Annex 1 Qualifying standards and six Annex 2 Qualifying standards and can be found in appendix 1 of this paper.

Panel Recommendation

The Panel is asked to consider the initial assessment of the current qualifying standards against the materiality criteria 1-9 as set out in appendix 1.

Appendix 1

Annex 1 Qualifying standards

1	ER G5/4-1	Planning levels for harmonic voltage distortion and the connection of non-linear equipment to transmission and distribution systems in the United Kingdom.	A1	12345678
2	ER G12/4-1	Requirements for the application of protective multiple earthing to low voltage networks.	A1	14578
3	ER P2/6 PO-PS-37	<ul style="list-style-type: none"> Security of Supply. Distribution planning standards of voltage and of security of supply. (Parts of Scottish Hydro Electric Power Distribution Ltd Area) 	A1	1245678
4	ER P24	AC traction supplies to Network Rail.	A2	5678
5	ER P26	The short-circuit characteristics of single-phase and three-phase low voltage distribution networks	A2	45678
6	ER P28	Planning limits for voltage fluctuations caused by industrial, commercial and domestic equipment in the United Kingdom.	A1	145678
7	ER P29	Planning limits for voltage unbalance in the United Kingdom for 132kV and below.	A1	145678
8	TS 41-24	Guidance for the design, installation, testing and maintenance of main earthing systems in substations	A2	178
9	ER S34	A guide for assessing the rise of earth potential at substation sites.	A2	178
10	ER G59/3-4	Recommendation for the connection of generating plant to the distribution systems of licensed distribution network operators (not applicable for new connections post 27/4/19)	A1	
11	ER G83/2-1	Recommendations For The Connection of Type Tested Small-Scale Embedded Generators (Up To 16 A Per Phase) In Parallel With Public Low-Voltage Distribution Networks (not applicable for new connections post 27/4/19)	A1	12345678
12	ER G98/1	Requirements for the connection of Fully Type Tested Micro-generators (up to and including 16 A per phase) in parallel with public Low Voltage Distribution Networks on or after 17 May 2019	A1	12345678
13	ER G99/1	Requirements for the connection of generation equipment in parallel with public distribution networks on or after 17 May 2019	A1	12345678

Annex 2 Qualifying standards

1	ER G81	Framework for design and planning, materials specification and installation and record for Greenfield low voltage housing estate installations and associated, new, HV/LV distribution substations	A2	12345678
2	ETR 130-1	Application Guide for assessing the Capacity of Networks Containing Distributed Generation	A1	1245678
3	ETR 131	Analysis Package for Assessing Generation Security Capability – Users' Guide	A2	1245678

4	ER P18	Complexities of 132kV circuits.	A2	5678
5	ER G87	Guidelines for the Provision of Low Voltage Connections to Multiple Occupancy Buildings	A2	5678
6	DGCGs	DG Connection Guides (published by Energy Networks Association)	A2	14

10 Annex 1 Qs

9 Annex 2 Qs