SP Electricity North West

Competition in Connections Code of Practice Tables

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Competition in Connection Code of Practice Tables

This document provides information relating to our contestable processes in the common format provided by the Competition in Connections Code of Practice.

4.12.1 Each DNO will publish when an ICP can self-determine its own POC utilising the common template below.

Market Segment	Self Determination Available (Yes/No)	Comment
LV Demand	Yes	All submissions >100kVA or >24% feeder rating will be subject to a network integrity check
HV Demand	Yes	All submissions >500kVA will be subject to a network integrity check
HV / EHV Demand	Yes	All submissions will be subject to a network integrity check
EHV132 Demand	Yes	All submissions will be subject to a network integrity check
DG LV	Yes	All submissions >100kVA or >24% feeder rating will be subject to a network integrity check
DG HV / EHV	Yes	All submissions >500kVA will be subject to a network integrity check
UMS LA	Yes	No check required
UMS Other	Yes	No check required
UMS PFI	Yes	No check required

4.12.2 Each DNO will publish the criteria by which an ICP can determine their own POC utilising a Standard Design Matrix utilising the common template below.

Criteria	Measurement	Comment
Connection capacity	Measured in kVA	Standard Design Matrix applies to the following: • For 3 phase loads up to 60kVA • For single phase loads up to 20kVA • For new loads only • Motor loads included but not welding equipment, disturbing loads, or loads typically known to contribute harmonic currents
Distance to substation	Metres from connection to substation	Different lengths depending on the size of the mains cable to be connected to. Range from 70 to 230 metres. Details found in EPD283 Low Voltage Design Manual (Appendix A).
Service cable length	Length of service cable in metres	Up to 30 metres of service cable under standard design matrix
Transformer capacity	Measured in kVA	Need to check both transformer rating and available capacity
Asset types excluded	Scope of Standard Design Matrix detailed in EPD283 Low Voltage Design Manual.	Standard Design Matrix applies to the following with all other asset types being excluded: • Applies to urban networks only (all cable)

4.16.3 DNOs shall complete and publish the following standard tables on their website.

Table 1: the market segments where the ICP is able to self-approve its designs

Market Segment	Self Approval Available (Yes/No)	Comment
LV Demand	Yes	Levels apply, see below
HV Demand	Yes	Levels apply, see below
HV / EHV Demand	Yes	No levels in place due to small volumes
EHV132 Demand	Yes	No levels in place due to small volumes
DG LV	Yes	Levels apply, see below
DG HV / EHV	Yes	Levels apply, see below
UMS LA	Yes	All self approved
UMS Other	Yes	All self approved
UMS PFI	Yes	All self approved

Table 2: Qualifying criteria that will apply to allow an ICP to move between the different levels of design approval

Level	Criteria
1	5 projects of 5 reviewed; 5 schemes passed If NERS accredited and submitting both HV and LV designs; - • The submission must include at least 2x LV and 2x HV • the audit pass must be awarded to 2x LV and 2x HV to progress to next level
2	3 projects of 5 reviewed; 3 schemes passed If NERS accredited and submitting both HV and LV designs; - • The submission must include at least 2x LV and 2x HV • The audit pass must be awarded to 1x LV and 1x HV to progress to next level
3	30% of projects reviewed. Six monthly review of performance and audit level.