WHAT ZE PROVES

YOUR CIRCUITS REACH THE MET. DOES THE MET REACH THE SOURCE?

Automatic disconnection of supply needs a path for fault current all the way back to the **star point** of the supply transformer. The dead tests proved every circuit reaches the MET. **Z_e** — the external earth fault loop impedance — proves the MET reaches the source.

It's **impedance**, not resistance, because it's measured on the live AC supply: the transformer windings and the cable add reactance to the resistance. Still measured in ohms.

Most UK installations are **TN** (TN-S or TN-C-S), which this covers.

Guidance Note 3 · 2.6.14 · protection by automatic disconnection of supply

Free section from Sparky Study Notes. The full Level 3 notes, 1,463 practice questions and the video lessons: sparkystudynotes.co.uk