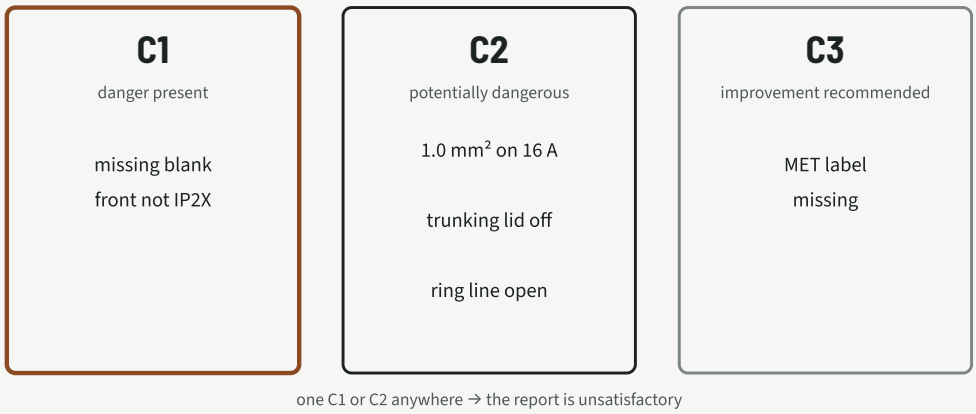
INSPECTING THE BOARD, AND CODING AS YOU GO

MISSING BLANK, FINGER IN THE BOARD. WHAT CODE?

The schedule of inspections, item by item. Every item carries a regulation number: if you're not sure whether what's in front of you is right, read the regulation, then look again. Everything you code goes into the **observations** as well.

The very first thing found, lifting the flap: a **missing blank**. A finger goes in, millimetres from a live part.



What this board turned up.

FOUND	CODE	WHY
Missing blank — front surface not IP2X / IPXXB	**C1**	Direct access to a live part. Tell the person who ordered the report straight away, in writing
"Safety electrical connection" label missing at the MET	**C3**	Required, but its absence makes nothing unsafe
Lighting circuit in 1.0 mm^2, run through loft insulation, on a 16 A device	**C2**	Buried in insulation, the cable's rating drops well below 16 A: I_n must not exceed I_z
Inspection lid off trunking, non-sheathed cables reachable	**C2**	Only basic insulation between a finger and a live conductor

- **The intake is visual only.** Service head, cut-out, meter, tails: look for damage, overheating, tampering, and tails whose grey sheath stops short where it can be touched. You don't take any of it apart. A defect on the supplier's equipment isn't yours to fix — record it, and make sure the person who ordered the report knows, so the supplier can be told.
- **Line and neutral of each circuit through the same entry** into a metal board — the tails especially. Together, their magnetic fields cancel. Through separate holes, they heat the steel around them.

- **Mixed makes of device** in a board, where the manufacturer doesn't allow it, is worth a hard look.
- **Record what you see.** The 16 A goes on the schedule as 16 A. You know it's wrong; that's why it's coded.

> **The observation says what's wrong, not how to fix it.**
> "Lighting circuit wired in 1.0 mm^2 T&E through thermal insulation, protected by a 16 A device" — not "change to a 6 A".

BS 7671 · Reg 433.1.1 · $I_b \leq I_n \leq I_z$ · **p.103**

Best Practice Guide 4 · coding examples

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