

Section 20

Dangers

High voltage and currents

Task. Oral questions and responses from the candidate to ascertain that the candidate is aware of the dangers of high voltage (electric shock) and current (heat, burning and possibly fire).

Candidate demonstrates an awareness of the dangers of high voltages and currents.

Current kills.

- Ensure power is always disconnected before accessing any internal circuitry.
- Use a Residual Current Device (RCD or Safety Switch) if working with live voltages. The RCD protects people from electrical accidents while a circuit breaker or fuse protects wiring and electrical systems in your home.
- Lightning has very high current levels.
- Antennas also carry high voltages and current.
- High voltages can leave deep burns.

Action:

[Revise Chapter 8 Safety in the Foundation material.](#)

Have fun and stay safe.