

PROFILING DEFINITIONS

Here is a description of each of the areas found on the weekly Profiling card:

Install Support Protection:

These are supporting devices such as putting up cable trays and ladders; installing conduit plastic, PVC (non metallic and metallic). This does not include the cable itself – just the support structures. Also includes the clips and saddles used to pin down the cable.

Install LV cables:

Installing wiring; wire pulling etc. Most of the cables on construction and houses are thermoplastic sheathed flat cable (the white flat cable).

Install Network Communications

Installing communications cable. Most of this is the blue cable (cat5/5+ cable).

Test Apparatus and Wiring

The major, vital tests performed in domestic, commercial and industrial situations include tests for:

- **Apparatus;** insulation resistance and earth continuity
- **Wiring;** insulation resistance, earth continuity, polarity, operation of switches and phase rotation

Install Apparatus/Commission Apparatus/Diagnose Rectify Faults/Maintain Apparatus

- **Install apparatus** means the electrical installation of a piece of equipment. This could be installing lighting, a split system air conditioner etc. So when you attach a light fitting, a socket outlet or an air conditioner to a cable, then you are **installing the apparatus**. If you put in the cable and install the piece of equipment then you are **installing the LV cable and installing apparatus**. If you put up cable tray, pull the wire and also install the equipment, then you have **installed support protection, installed LV cable and installed apparatus**.
- **Commission apparatus** is making sure an installation works. Before you leave an installation, you should make sure everything works properly and is installed according to regulations. Decommissioning is also included here.
- **Diagnose and Rectify faults** is the work that you do when asked to check why a piece of equipment such as a light is not working properly eg. a fluorescent light flickers. You figure out that there is a faulty fluorescent ballast and change it.
- **Maintain apparatus** is when you deliberately go about checking that an apparatus is in good working order or actually fix a fault such as changing a fluorescent ballast. In other words, you are doing maintenance to a piece of equipment, in this case, the lighting equipment.

Electrical Supporting Activity

- This is non electrical work needed to be carried out in aid of electrical work. An example of supporting activities may be digging trenches to lay cables. So the trench digging is the electrical supporting activity.