PARTS 6, 7 AND 8 — AND ONE APPENDIX THAT HAS VANISHED

WHERE DO THE SPECIAL LOCATIONS LIVE?

PART 6 — DELIBERATELY SKIPPED

Part 6 (inspection and testing) and **Appendix 6** (the certification forms) aren't covered here on purpose: inspection and testing is a subject of its own, so this stays on what the 18th Edition exam needs.

> **Worth a look on your own, though.**
> **Section 10 of the On-Site Guide** has a good layout of the inspections and tests, and the **safe isolation procedure** — probably the best version of it in the set of books. Safe isolation is the first thing you'll learn when inspection and testing starts.

CHAPTER 65 — PERIODIC INSPECTION

> § **651** gives the purpose of a periodic inspection and test: to determine, **so far as is reasonably practicable**, whether the installation is in a **satisfactory condition for continued service**. That exact wording is a typical exam answer.

- Periodic means the installation **already exists and is in service** — it isn't a new install.
- In rented and council property it's required **at least every five years**, a requirement that came in a few years ago. A change of tenancy is a time when one is recommended, not required.
- It doesn't matter whether you installed it. Ten or fifteen years on, a cable in good condition in a system that isn't overloaded can still have 25–30 years in it — the periodic exists to confirm that, whoever put it in.
- Chapter 65 also covers the **frequency** of periodic inspection and reporting. A typical question asks which factor is **not** a consideration in setting the interval: the answer is **condition of the appliances**.

PART 7 — SPECIAL LOCATIONS

A long list of special locations, a very thick slab of book, and **seven exam questions** drawn from all of it. Going through every one would take a week and you'd remember none of it. The only thing you need is to recognise that a location is special, and go to Part 7 and nowhere else.

SECTION	LOCATION
701	Locations containing a bath or shower
702	Swimming pools and other basins
703	Rooms and cabins containing sauna heaters
704	Construction and demolition site installations
705	Agricultural and horticultural premises
714	Outdoor lighting installations
—	Also in Part 7: caravan and camping parks · marinas · medical locations · exhibitions, shows and stands · solar PV · **EV charging points** · temporary installations for amusement devices, fairgrounds and circuses

> **Two of those are recent additions.**
> **Solar PV** is its own special location, and **EV charging points** came in by amendment. If a question mentions EV charging, you are in Part 7 — full stop.

The zone drawings for bath and shower rooms are in there too, in black and white rather than colour, but they're the same line diagrams you've already seen. Two figures worth restating: minimum **IPX4** for equipment in **zone 1**, rising to **IPX5** where water jets are used for cleaning.

PART 8 — THE PROSUMER'S INSTALLATION

Part 8 holds **Chapter 81** (energy efficiency) and **Chapter 82** (the **prosumer's low voltage electrical installation**, PEI). It's only a handful of pages, because it's the newest material in the book — and it's covered in amendment change bars. Nearly every recent amendment has touched it.

PEI — **Prosumer's electrical installation** — an installation that both consumes and produces electricity. Think PV, battery storage, a wind generator, bidirectional EV charging, all tied into an **electrical energy management system**.

Island mode — Fully **off grid** — every part of the prosumer's installation disconnected from the incoming supply, drawing nothing from the public network.

SECTION	WHAT IT ANSWERS
823	**PEI concepts.** Typical question: which is **not** one? Answer — **special locations**
824	**Types of PEI and their operating modes.** The book lists modes **A, B and C** — so a question offering "upstream mode" is answering itself
825.1	Definitions — referenced by the requirement that **EV charging equipment for a vehicle operating as a prosumer shall be managed by the electrical energy management system**
826	**Protection against electric shock.** The PEI **shall be able to operate in any intended operating mode** as defined in the regulations

824 is the easiest question in the paper

if you know where to look. The book gives you exactly three operating modes, so a four-option question hands you the answer by elimination. That's the whole skill here: the right page turns a hard question into a ten-second one.

✋ **Appendix 17 is listed as deleted.** Questions on the kW range of electric motors without variable speed drives that must meet a minimum IE efficiency level came from it — and in the **current edition that appendix no longer exists**.

Energy efficiency now appears in **Chapter 81** — but Chapter 81 talks about energy efficiency **without giving that value**, so that answer genuinely isn't in the current book. The exam is set against the current edition, so don't expect Appendix 17 questions.

How many questions from here to the back?

Reckon on **eight** — eight questions spanning Part 8 and the appendices. It is a very large amount of book for a very small number of marks, which is exactly why you navigate it rather than learn it.

- **651** · purpose of periodic inspection ★
- **Chapter 65** · frequency of periodic inspection and reporting
- **Part 7** · special locations · 7 exam questions ★
- **701 · 702 · 703 · 704 · 705 · 714**
- **Chapter 81** · energy efficiency
- **Chapter 82 · 823 · 824 · 825.1 · 826** · prosumer's installation ★
- **Appendix 17** · **deleted** from the current edition ★
- **Appendix 6** · certification forms (covered later)

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