



National Certificate in Electricity Supply (Line Mechanic Distribution)

level of qualification: 4

credit total: 118

Purpose and content of the National Certificate

Purpose:

This National Certificate will enable trainees to evaluate faults, overhaul distribution pole and tower hardware, and install and replace electricity network pole structures amongst other tasks undertaken by Distribution Line Mechanics. It forms the final part of a pathway for trainees who seek to become Distribution Line Mechanics in the electricity supply industry and entitles the holder to apply for registration.

Content:

Compulsory unit standards

core skills

| | | level | credit |
|-------|--|-------|--------|
| 17027 | Demonstrate the requirements for holding access permits on high voltage electrical lines | 3 | 2 |
| 19950 | Use test instruments and carry out electrical testing in the electricity supply industry | 3 | 3 |
| 23899 | Carry out polarity and phasing on HV electricity networks | 3 | 2 |

distribution networks

| | | | |
|-------|---|---|----|
| 10511 | Develop work plans for construction and servicing of overhead electricity lines and equipment | 4 | 6 |
| 10512 | Joint electricity network overhead conductors | 3 | 4 |
| 10513 | Determine condition of electrical lines | 3 | 6 |
| 10518 | Install and service street lighting | 4 | 8 |
| 10521 | Install and replace electricity network pole structures | 4 | 10 |
| 10522 | Install low voltage (LV) electricity network overhead conductors | 4 | 8 |
| 10526 | Operate ground and structure mounted electrical equipment associated with electric lines up to 66kV | 3 | 4 |
| 10529 | Dismantle electricity network lines and structures | 4 | 6 |
| 10544 | Install power and telecommunications cables in an electricity supply environment | 4 | 6 |
| 10545 | Joint LV polymeric insulated power cables in the electricity supply industry | 3 | 4 |
| 12295 | Apply earths to and remove earths from overhead electric line conductors | 3 | 4 |



| | | level | credit |
|--------------------------------|---|-------|--------|
| 12298 | Install pad mounted electrical equipment | 4 | 6 |
| 17632 | Overhaul distribution pole and tower hardware in electrical networks up to 66kV | 4 | 8 |
| 18024 | Install structure mounted electrical equipment in the electricity supply industry environment | 4 | 6 |
| 20059 | Terminate LV polymeric insulated power cables in the electricity supply industry | 3 | 4 |
| 20423 | Install high voltage electricity network overhead conductors | 4 | 8 |
| 23896 | Demonstrate knowledge of electrical circuit protection for Line Mechanics | 3 | 4 |
| power system management | | | |
| 16278 | Evaluate faults on electricity supply network plant and equipment | 4 | 9 |