



Australian Government

Assessment Requirements for ICTTEN310 Remove and replace electronic circuit boards in carrier equipment

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 3.0.

Performance Evidence

Evidence of the ability to:

- interpret, discuss and confirm required work
- obtain documentation, equipment and hardware for required work
- notify relevant personnel of alarms that could be activated in the access and restoration of equipment cabinets and enclosures
- prepare a contingency plan to use if card replacement is unsuccessful, in consultation with relevant personnel
- remove and replace circuit boards as instructed by relevant authority, following work health and safety (WHS) requirements and anti-static precautions
- replace telecommunications hardware according to client practices
- follow required practices or contingency plan if hardware replacement is unsuccessful
- update fault records and complete required documentation
- restore site to required condition
- liaise with personnel from relevant authority for information and reporting purposes.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain application of direct current (DC) and alternating current (AC) electrical principles to the removal and replacement of circuit boards
- describe static electricity and its impact on electronic circuit boards in telecommunications equipment
- outline performance testing and fault finding techniques of telecommunications networks
- describe the purpose and operation of common testing equipment

- describe the behaviour of faulty network elements including symptoms and impact on network
- summarise common telecommunications hardware and network structures
- list types of power sources used in telecommunications networks.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances should be typical of those experienced in the telecommunications networks engineering field of work and include access to:

- a suitable site to replace telecommunications network hardware
- a range of hardware currently used in industry
- a range of general and test equipment required for testing telecommunications network hardware.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>