Australian Government

Assessment Requirements for ICTTEN307 Repair and replace telecommunications network hardware

Release: 2

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Modification History

Release	Comments
Release 2	This version released with ICT Information and Communications Technology Training Package Version 5.0.
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 2.0.

Performance Evidence

Evidence of ability to perform the items listed on two occasions:

- rectify fault as instructed by Network Operations Centre (NOC), following work health and safety (WHS) requirements and anti-static precautions
- replace telecommunications hardware within service assurance guidelines according to enterprise procedures
- update fault records database according to enterprise procedures
- liaise with appropriate personnel in the NOC 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

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- application of direct current (DC) and alternating current (AC) electrical principles
- static electricity and its importance in testing and working with telecommunications equipment
- variety of possible symptoms and their impact on an operational network caused by faulty network elements
- test results and network element or system specifications
- operation and purpose of testing equipment
- common telecommunications hardware and network structures

- performance testing and fault-finding techniques of telecommunications networks
- systematic and logical fault-finding
- types of power sources used in telecommunications networks
- appropriate test equipment used to undertake fault finding procedures.

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