



Australian Government

Assessment Requirements for ICTTEN508 Locate, diagnose and rectify complex faults

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 2.0.

Performance Evidence

Evidence of ability to:

- methodically analyse fault details and diagnose potential faults
- conduct advanced tests to determine complex network faults
- isolate and locate faults logically
- rectify faults using appropriate organisational procedures and work health and safety (WHS) requirements
- comply with all related WHS requirements and work practices.

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 fault escalation procedures
- describe the most appropriate fault-finding techniques and test equipment required
- identify fault types and rectification methods
- list safety requirements and standards
- define the function of service agreements
- outline types of networks and equipment including:
 - access
 - broadband deployment
 - cabling
 - customer premises' equipment (CPE)
 - internet protocol (IP) networks for enterprise and customer systems and installations
 - local area networks (LANs)
 - telephony

- wide area networks (WANs)
- outline workplace environment and practices.

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:

- sites on which fault diagnostics may be conducted
- testing equipment currently used in industry
- relevant regulatory and equipment documentation impacting complex fault repairs.

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>