



Australian Government

Assessment Requirements for ICTICT516 Test telecommunications network using virtual instruments

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:

- interpret and use equipment and system manuals and specifications
- use latest virtual instrument test equipment
- simulate signals and systems using complex virtual instruments
- analyse and report on results of simulation.

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:

- describe the applications of virtual instruments
- explain current and emerging developments in relation to virtual instruments
- describe instrumentation principles and practices
- identify internet support services
- outline modulation methods, AM, FM and digital formats
- name sampling and data conversion processes
- explain virtual instrument features and benefits.

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 must be typical of those experienced in the Telecommunications – Information Technology use field of work and include access to:

- internet sites

- electronic workbench or similar software
- virtual instrument applications and media
- a workplace conducting operations involving virtual instruments, with support from a competent supervisor or mentor
- telecommunications equipment suitable for integrating projects
- industry software packages (where applicable).

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>