



Australian Government

**Assessment Requirements for ICTTEN601
Undertake qualification testing of new or
enhanced equipment and systems**

Release: 1

Assessment Requirements for ICTTEN601 Undertake qualification testing of new or enhanced equipment and systems

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:

- apply Australian standards to international designs
- identify customer's specific requirements
- configure and set up test regimes
- identify and conduct tests, including live system tests, and interpret and analyse results
- approach problem diagnosis systematically, eliminating causes
- re-test design changes
- prepare report, including deficiencies, analysis and recommendations.

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 the Australian standards applicable to system and equipment compliance
- outline necessary connections to carrier infrastructure or equipment
- evaluate the system design requiring testing
- explain network and equipment tests required for compliance
- outline common network architectures
- explain relevant international standards.

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 test site where qualification testing of equipment and systems may be conducted
- equipment currently used in industry
- relevant Australian and international standards, codes, design specifications, manuals and reference materials.

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>