



Australian Government

Assessment Requirements for ICTCMP502 Conduct radio communications site audits

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 7.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- conduct at least three radiocommunications site audits with different licensing requirements at each site.

In the course of the above, the candidate must:

- determine the need for a site audit and gain access approvals from relevant personnel
- conduct transmission and radiofrequency tests
- monitor non-compliances to confirm actions completed
- document enforcement actions.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- features and functions of test equipment, including:
 - digital radio communications measuring equipment
 - modulation analyser
 - power meter
 - radiofrequency termination
 - spectrum analyser
- licensing database features
- information required to prepare and conduct network site audits
- transmission lines, transmitter and receiver architecture and their impact on radiocommunications audits
- required field measurements, including:
 - carrier frequency

- harmonics
- intermodulation distortion products
- modulation
- radiofrequency power
- specific issues related to antenna installations and their impact on radio communications interference
- types of adjustments that need to be made to audit procedures to meet requirements of particular sites and environmental conditions
- typical issues and challenges that occur in networking site audits and how these are addressed
- legislation, codes, regulations and standards, and work health and safety (WHS) requirements for scoped work.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- sites on which audits may be conducted
- use of field measurement equipment currently used in industry
- required databases, licensing requirements and other site related documentation.

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 Guide is found on VETNet -

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