



Australian Government

Assessment Requirements for ICTRFN407 Conduct radio frequency measurements

Release: 1

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Modification History

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

Performance Evidence

The candidate must demonstrate the ability to perform the tasks outlined in the elements, performance criteria, and foundation skills, and to:

- plan and conduct radio frequency (RF) testing using appropriate equipment and instruments
- measure, record and interpret test results
- monitor work to meet related work health and safety (WHS) requirements and work practices.

Note: Evidence must be provided at least once when a specific volume or frequency is not stated.

Knowledge Evidence

The candidate must demonstrate the knowledge required to perform the tasks outlined in the elements, performance criteria, and foundation skills, which includes:

- legislation, regulations, codes, standards and enterprise procedures relevant to work activity
- principles and operation of the following:
 - analog and digital modulation methods
 - logarithmic units
 - standard test procedures and test set-ups
 - transmitter and receiver architectures
- principles of radio frequency (RF) operation including:
 - instrument and features and types
 - radiation hazards
 - safety practices.

Assessment Conditions

Skills must be assessed in a workplace or simulated environment where conditions are typical of those in a telecommunications work environment or workplace.

Access is required to:

- site/s for RF measurements
- a range of test equipment and items to test
- relevant regulatory and equipment documentation that impact on work activities.

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>