



Australian Government

**Assessment Requirements for ICTRFN305
Operate and maintain radio
communications technical instruments and
field equipment**

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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 the ability to:

- obtain read and interpret radio communications instrument operating documentation
- prepare, operate and maintain radio communications instruments and field equipment appropriate to a radio communications environment
- comply with site risk control, work health and safety (WHS), environmental, quality and communication requirements.

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:

- summarise the features and operating requirements of calibrated equipment and test equipment including:
 - digital radio communications measuring equipment
 - radio frequency (RF) termination
 - spectrum analyser
 - power meter
 - modulation analyser
- outline features of instrument and equipment test methods and performance requirements
- explain legislation, codes of practice and other formal agreements that directly impact on operation and testing of radio communications instruments and equipment
- outline manufacturer's requirements for operation and testing of radio communications equipment and calibrated equipment
- summarise measurements according to test specifications
- list radio communications instruments and equipment

- list and describe the common WHS requirements that impact on the use and testing of radio communications instruments and equipment
- discuss typical issues and challenges that occur with radio communications instruments and field equipment.

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 – radio frequency networks field of work and include access to:

- sites on which instruments and field equipment can be operated
- field measurement equipment currently used in industry
- relevant instrument and equipment manuals and other procedural 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 guides are found in VETNet -

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