



**Australian Government**

**Assessment Requirements for ICTTEN418  
Install and test a radio frequency  
identification system**

**Release: 1**

# Assessment Requirements for ICTTEN418 Install and test a radio frequency identification system

## 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:

- plan installation
- use basic research skills for adapting radio frequency identification (RFID) technologies to specified plan and design
- implement and verify RFID operations
- implement RFID architecture across a secure environment
- encode RFID tags and attach to items
- integrate RFID information into business applications
- configure network with IP addressing
- cable and test RFID network
- create technical and user documentation.

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 client business domain, business function and organisation
- describe common network cable types and connectors
- summarise compatibility issues and resolution procedures
- describe configuration of internet protocol (IP) networks
- describe current industry-accepted hardware and software products used in RFID systems
- explain desktop applications and operating systems as required
- summarise enterprise communication and training systems in relation to training and advising staff involved in deployment
- summarise network topologies
- outline RFID technologies including:

- network operating systems
- protocols
- interrogators and sensors
- wireless technologies
- cabling 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 site where RFID installation may be conducted
- field measurement equipment currently used in industry
- relevant network element specifications
- technical requirements for an RFID network
- cabling
- networked (LAN) computers
- workstations
- RFID diagnostic software
- wide area network (WAN) service point of presence.

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>