



Australian Government

Assessment Requirements for ICTTEN526 Dimension and design a radio frequency identification system

Release: 1

Assessment Requirements for ICTTEN526 Dimension and design a radio frequency identification system

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:

- dimension and design at least two radio frequency identification (RFID) systems.

In the course of the above, the candidate must:

- adapt RFID technologies to specified plans and designs
- evaluate RFID client specifications against accepted industry practices
- include RFID architecture across secure environments
- integrate RFID information into business applications
- produce design information in configuring the network with internet protocol (IP)
- offer design recommendations and solutions.

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:

- required legislation, codes, company work practices, regulations and standards, workplace health and safety (WHS) requirements for scoped work
- functions and features of:
 - RFID technology, products and architecture
 - interrogators
 - readers
 - tags
 - wireless units
 - network topologies
 - radio frequency (RF) interference
- methods for conducting surveys of required RFID technologies

- sources of RFID interference
- business process design
- relevant features of business operations, business function and organisation of the client
- compatibility issues with existing system and resolution procedures
- configuration of IP networks
- desktop applications and operating systems
- linkage between operational processes
- network protocols and operating systems
- radio spectrum and RFID frequencies
- RFID hardware and software
- RFID technologies incorporating substantial depth in network operating systems, protocols, interrogators and sensors, wireless technologies and cabling standards
- security protocols, standards and data encryption requirements
- documentation and report requirements according to organisational procedures.

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:

- a suitable network site
- client's functional requirements
- RFID equipment specifications
- database software
- simulation software
- organisational guidelines
- network or computer layout documentation and premises plans.

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>