Australian Government

Assessment Requirements for ICTTEN515 Dimension and design a radio frequency identification system

Release: 1

Assessment Requirements for ICTTEN515 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 2.0.

Performance Evidence

Evidence of ability to:

- adapt radio frequency identification (RFID) technologies to a specified plan and design
- evaluate RFID client specifications against accepted industry practices
- include RFID architecture across a secure environment
- integrate RFID information into business applications
- produce design information in configuring the network with internet protocol (IP) addressing
- produce information that can be shared between businesses
- make recommendations and offer optimum design solutions.

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 business process design
- summarise the client's business operations, business function and organisation
- outline compatibility issues with existing system and resolution procedures
- explain configuration of IP networks
- describe desktop applications and operating systems as required
- explain the linkage between operational processes
- summarise network protocols and operating systems
- outline network topologies
- summarise radio spectrum and RFID frequencies
- explain radio frequency (RF) interference
- describe general characteristics of RFID architecture
- provide a detailed summary of RFID hardware and software

- outline RFID technologies incorporating substantial depth in network operating systems, protocols, interrogators and sensors, wireless technologies and cabling standards
- demonstrate RFID product knowledge
- summarise security protocols, standards and data encryption.

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 suitable telecommunications 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 guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2