



Australian Government

Assessment Requirements for ICTRFN302 Install mobile telecommunications in motor vehicles

Release: 1

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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 installation parameters and compliance requirements in preparation for installation
- install cable loom, wiring mobile and peripheral equipment
- test the equipment to verify correct installation and operation.

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:

- outline customer service principles, particularly dealing with clients face to face
- discuss electrical fundamentals
- summarise electromagnetic radiation (EMR)
- discuss enterprise or service-specific knowledge of products and services supplied
- outline objectives and methods of training for product use for client education
- summarise work health and safety (WHS) principles and enterprise-specific job safety analysis (JSA) requirements
- provide an overview of mobile radio and cellular radio product range and connection methods
- summarise pre-installation enterprise-specific requirements
- explain the following aspects of radio frequency (RF):
 - principles
 - safety
 - theory
- explain return path technology
- discuss telephony principles to support return path awareness

- summarise test set ups for final testing
- outline vehicle electrical, electronics and computer-managed systems.

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:

- vehicles and sites at which installation may be conducted
- testing equipment currently used in industry
- relevant regulatory and equipment 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>