



Australian Government

Assessment Requirements for ICTDRE401 Integrate customer digital reception equipment

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 ability to:

- identify modulation and other signal characteristics of a range of contemporary products
- design and build system
- install three types of equipment and services, applying all related work health and safety (WHS) requirements and work practices
- configure services and optimise customer system
- conduct functionality tests and interpret results
- provide customer training appropriate to equipment
- complete task and handover to customer.

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:

- identify analog and digital connectors
- list contemporary equipment and connection methods
- explain continuity, ingress, egress, signal level and signal quality performance tests
- outline customer service principles, particularly dealing with customers face-to-face
- discuss enterprise or service specific knowledge of products and services supplied
- describe equipment types:
 - amplifiers
 - couplers
 - splitters
 - taps
- discuss modulation techniques

- define objectives and methods of training for product use for customer education
- discuss WHS general principles and enterprise-specific job safety analysis (JSA) requirements
- assess performance adjustments for tuning, balancing and replacing components
- summarise quality assurance of enterprise requirements
- review test analysis and diagnosis (enterprise diagnosis methods)
- describe video and audio fundamentals

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 – Digital Reception Technology industry and include access to:

- a site for Digital Reception Technology (DRE) integration
- DRE currently used in industry
- test equipment required for DRE integration.

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>