Assessment Requirements for ICTDRE402 Integrate data delivery modes

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 service requirements of a range of contemporary products
- design and build a multiple service customer system solution
- install and integrate at least two services to a customer system comprised of at least three equipment components applying all related work health and safety (WHS) requirements and work practices
- activate and optimise customer equipment using two or more signal sources
- configure services and optimise customer system across multiple services
- conduct functionality tests and interpret results
- provide customer training appropriate to the equipment.

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:

- list contemporary equipment and connection methods
- 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
    - taps
    - splitters
- describe home automation
- identify functions of home theatre system components

- explain modulation techniques
- 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
- evaluate security systems
- review test analysis and diagnosis (enterprise diagnosis methods)
- identify test equipment and signal measurement and other enterprise-specific tools
- explain principles of video and audio technologies
- explain wireless local area networks (WLANs)
- explain wireless technology.

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 data delivery modes integration
- equipment currently used in industry
- test equipment required for data delivery 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