Australian Government

Assessment Requirements for ICTTEN506 Integrate new systems and equipment into the telecommunications network

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:

- develop a contingency plan
- implement an integration management plan
- test systems and equipment and associated features being integrated
- apply enterprise escalation and outage procedures
- negotiate procedures and activity on the network and timing of integration
- integrate new systems and equipment to plan and specifications.

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 connections to carrier infrastructure or customer interface units (CIU)
- describe electrical and/or optical properties to be measured
- consider health and safety issues, including electrical, optical and electromagnetic radiation (EMR) when working with telecommunications networks
- describe telecommunication network equipment and emerging technology networks
- evaluate suitable tests and test equipment types
- explain typical performance parameters and faults that may be encountered in network equipment and related connection and transmission media.

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:

- sites on which integration procedures can be conducted
- relevant regulatory and equipment documentation that impacts integration
- testing equipment currently used in industry
- capacity to simulate network traffic
- a network and equipment for integration
- equipment and systems manuals, specifications and enterprise policies.

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