



Australian Government

Assessment Requirements for ICTTEN521 Integrate network systems and equipment

Release: 1

Assessment Requirements for ICTTEN521 Integrate network systems and equipment

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 7.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- integrate at least two network systems and at least two types of equipment into the network system.

In the course of the above, the candidate must:

- prepare and implement at least one integration management plan
- develop at least one contingency plan
- test network systems, equipment and associated features being integrated
- apply enterprise escalation and outage procedures
- negotiate procedures and activity on the network and timing of integration
- comply with required organisational and enterprise requirements.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- required legislation, codes, company work practices and procedures, regulations and standards, workplace health and safety (WHS) requirements for scoped work
- functions and features of:
 - integration management plans
 - change management plans
 - contingency plans
 - network traffic
 - system monitoring alerts and alarms
- connections to carrier infrastructure or customer interface units (CIU)
- electrical and optical properties to be measured

- health and safety issues, including electrical, optical and electromagnetic radiation (EMR) when working with networks
- network equipment and emerging technology networks
- suitable tests and test equipment types
- typical performance parameters and faults that are encountered with using scoped network equipment and connection and transmission media.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes 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 Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>