Assessment Requirements for ICTTEN619 Test new software and hardware releases

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 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:

- test at least two newly released software items and at least two newly released hardware items within at least two networks.

In the course of the above, the candidate must:

- develop at least one plan for testing new software and hardware releases, including functionality and performance under load conditions
- develop a contingency plan for recognising potential causes of problems and their impact on service levels
- test compatibility of software and hardware within an existing network system
- analyse impact of integration of new hardware and software releases on the network and make recommendations for improvement.

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, system maintenance and upgrade procedures, regulations and standards, workplace health and safety (WHS) requirements for scoped work
- features of service catalogue systems
- methods of testing newly released software and hardware
- functions and features of software and hardware network contingency plans
- features and operating requirements of testing routines and equipment, key performance indicators (KPIs) and service level agreements
- information required to operate software and hardware according to test specifications
- manufacturer requirements and specifications for equipment operation

- specific organisational requirements surrounding activity and site conditions
- test methods, performance and integration requirements
- issues and challenges that occur with new software and hardware releases.

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:

- a system to verify compliance and compatibility of software and hardware
- test equipment currently used in industry
- systems manuals, vendor specifications and enterprise policy.

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