

Functional Area: Network Infrastructure & Operation (Implementation)

1. Title	Perform network functional tests
2. Code	ITCSNO314A
3. Range	This UoC defines the competency required for performing functional tests of: telephone network, Local Area Network (LAN), Wide Area Network (WAN), Metropolitan Area Network (MAN), wireless (Mobile or WiFi) or wired line, etc.
4. Level	3
5. Credit	2
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Possess the knowledge in the subject area</p> <ul style="list-style-type: none"> • Possess planning skills, analysing skills, testing techniques, with detailed knowledge in networks (wired and/or wireless) • Capable of following test plans, network infrastructure diagrams and configuration settings. • Experienced with using testing tools and setting up of test environment • Have good communication skills while coordinating network tests • Possess knowledge of health and safety rules and hazards relating to the equipment and/or tools being used during testing <p>6.2 Perform network functional tests</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Identify the functional tests required from test plans or work orders • Identify the required scope (testing tasks) of the acceptance and benchmark to achieve i.e. the required result. Note that the indicator/benchmark may be manufacturer's specification • Plan the test and setup environment for testing • If necessary, brief and coordinate with other involved parties on the network tests • Carry out the test. More than one cycle may be required • Document the test results to a predefined format • Validate the test results against expected results and certify the network is functioning as per specified or indicate test failure with appropriate explanation <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Follow safety procedures at every step during the setup of testing environment for equipment testing and while performing testing • Ensure all documentations performed to the required quality standard
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ol style="list-style-type: none"> i. follow test plan requirements ii. set up test environments for the required tests iii. complete the required tests and document the results and findings in accordance to the organisation's required standards and formats
Remark	