Functional Area: Network Infrastructure & Operation (Implementation)

1.	Title	Perform performance tests based on requirements
2.	Code	ITCSNO315A
3.	Range	This UoC defines the competency required to carry out performance tests of: telephone network, Local Area Network(LAN), Wide Area Network (WAN), Metropolitan Area Network(MAN), wireless (Mobile or WiFi) or wired line, and/or related equipment
4.	Level	3
5.	Credit	3
6.	Competency	Performance Requirement
		6.1 Possess the knowledge in the subject area - Possess planning skills, analysing skills, testing techniques, with detailed knowledge on networks - Experienced with test plans, network infrastructure diagrams and configuration settings - Experienced with using testing tools and setting up of test environment - Possess good communication skills while coordinating network tests - Knowledgeable of health and safety rules and hazards relating to the equipment and/or tools being used during testing
		6.2 Perform performance tests based on requirements Be able to: - Locate the test plans or work orders - Identify the performance characteristics required and/or benchmarks to achieve. The characteristics/benchmarks may be acquired from manufacturer's specification - Setup the appropriate tools and environments for measuring or recording of the test - Perform the tests. More than one cycle may be required - Observe and record the performance of test results - Analyse the results. Identify parameters that may influence the test results and record whether the tested network or equipment met the required performance
		6.3 Exhibit professionalism - Follow safety procedures at every step during the setup of testing environment for equipment testing and while performing testing - Ensure all documentation performed to the required quality standard
7.	Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: i. follow test plan requirements ii. prepare test environments with performance measuring tools to be used for testing iii. complete the required tests and document the results and any performance findings in accordance with the organisation's required standards and formats
	Remark	