Functional Area: Network Infrastructure & Operation (Implementation)

1.	Title	Perform configuration of access network/equipment
2.	Code	ITCSNO313A
3.	Range	The scope of this UoC specifies configuring or reconfiguring of wired/fixed line access network or mobile access network. Associated equipment include telephone exchange, auto soft-switching system or VOIP equipment and for mobile access networks includes GSM, UMTS, WiMAX, LTE, etc.
4.	Level	3
5.	Credit	3
6.	Competency	<table><tr><td colspan="2" align="center">Performance Requirement</td></tr><tr><td>6.1 Possess the knowledge in the subject area</td><td> - Able to comprehend the manufacturer documentation of the concerned equipment - Experienced with the TCP/IP protocol and able to configure IP address and routing - Experienced with the operation and maintenance of switching devices - Able to use configuration tools according to operational instructions - Extensively experienced with the equipment that is being maintained, configured or reconfigured - Able to comprehend the access network plan </td></tr><tr><td>6.2 Perform configuration of access network/equipment</td><td>Be able to: - Determine the configuration requirements from colleagues or work orders - Locate and identify the access network equipment that are needed to be configured - Determine how configurations can be performed from product manuals or liaise with fellow colleagues - Prepare the necessary environments or equipment to perform the configurations, such as remote access connections, terminals, Web browsers, etc. - Formulate a fall back plan by recording or backing up of current settings - Perform the required configuration process - Perform tests to ensure the equipment is performing and conforming to the requirement - Make a full recording of configuration and report of the work performed - Complete signoff procedures with supervisors or stakeholders approval </td></tr><tr><td>6.3 Exhibit professionalism</td><td> - Follow safety procedures at every step of the configuration - Ensure the configuration is performed to the required quality and standards </td></tr></table>
7.	Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: i. read and understand the network access configuration job specifications ii. locate the switch or network equipment iii. prepare the environment for configuration jobs, including creating a contingency plan, verifying the correct version of software/firmware, etc. iv. perform the configuration in accordance to the requirements or manufacturer's specification v. formulate testing procedures to determine the newly configured device is performing to the job requirements or manufacturer's specification vi. document the completed work effectively and acquire completion signoff
	Remark	