

**Functional Area: Network Infrastructure & Operation (Implementation)**

1. Title	Perform configuration of transmission equipment
2. Code	ITCSNO312A
3. Range	The scope of this UoC includes configuration on equipment that controls the transmission of signals/data on wireless or cable, GSM gateways, fibre multiplexers, echo canceller, DACS, WAN routing, etc.
4. Level	3
5. Credit	3
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"> <li>• Comprehend the features of the transmission media</li> <li>• Experienced with broadband, narrow band, channel multiplexing/de-multiplexing techniques</li> <li>• Possess knowledge of TCP/IP and other relevant transportation protocols</li> <li>• Able to use configuration tools and operational instructions/manuals</li> <li>• Comprehend the usage of testing devices and protocol analysers</li> <li>• Capable of analysing and troubleshooting transmission equipment</li> </ul> <p>6.2 Perform configuration of transmission equipment</p> <p>Be able to:</p> <ul style="list-style-type: none"> <li>• Load up the transmission devices with proper software, if necessary</li> <li>• Operate configuration tools</li> <li>• Perform the required configurations</li> <li>• Prepare testing tools or environment to test the newly configured device</li> <li>• Perform tests to ensure the transmission conforms to requirements or standards</li> <li>• Create test reports to demonstrate the configuration is working to requirement</li> <li>• Record all configuration procedures and settings</li> </ul> <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Follow safety procedures at every step</li> <li>• Ensure the configuration is performed to the required quality and standards</li> </ul>
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ol style="list-style-type: none"> <li>i. ensure the required version of software/firmware of the network devices is installed correctly</li> <li>ii. perform the configuration in accordance to requirements or manufacturer's specification</li> <li>iii. test the newly configured device to ensure it is performing to the job requirement or manufacturer's specification</li> </ol>
Remark	