| 2. Code       ITCSN0412A         3. Range       This UoC concerns developing testing procedures for network equipment of various sizes or complexities which include telephony equipment, data network wireless (Mobile or WIFI), transceivers, multiplexors, routers, home media, modern, access network equipment, switches (mechanical or digital), etc.         4. Level       4         5. Credit       3         6. Competency       6.1 Possess the knowledge in the subject area       Performance Requirement         6. Competency       6.1 Possess the subject area       Possess extensive knowledge of the features related to the equipment that are being tested and refer to operational manuals, if and when needed         9. Possess planning skills, analysing skills and testing techniques       Extensively experienced with operation of testing tools which may include software tools         Capable of exercising discretions or judgments on the following during the formulation process: importance, dependency, complexity, security and other factors which may affect the tests or test results         6.2 Formulate equipment testing procedures       Be able to:         9       Identify the equipment to be tested and acquire manufacturers' product manuals, specifications, and performance guides         0       Detime what tools are required to perform the tests and wha settings are needed for each test case or level of test         0       Define what tools are required to monitor the performance add/or outcome of tests         0       Define what toos are required to mon  |     |            | Network Infrastructure & Operation (Implementation)  |
|--|-----|------------|--|
| 3. Range       This UOC concerns developing testing procedures for network equipment virilous sizes or complexities which include telphony equipment, data network wireless (Mobile or WIP), transceivers, multiplexors, routers, home media, modern, access network equipment, switches (mechanical or digital), etc.         4. Level       4         5. Credit       3         6. Competency       6.1 Possess the knowledge in the subject area         9. Possess stemice knowledge of the features related to the equipment that are being tested and refer to operational manuals, if and when needed         9. Credit       9 Possess stemize knowledge of the features related to the equipment that are being tested and refer to operational manuals, if and when needed         9. Capable of exercising discretions or judgments on the following during the formulation process: inportance, dependency, complexity, security and other factors which may affect the tests or test results         9. Extensively experienced with evaluating and analysing quality test results and formulating recommendations.         6.2 Formulate       Extensively experience ach test cass or level of result manufacturers' product manuals, specifications, and performance guides         9. Define what tools are required to perform the testing and the benchmarks to achieve i.e. expected result         9. Define what tools are required to perform the test and what settings are needed for outcome of tests         9. Define what tools are required to perform the test and what setting are needed for outcome of tests         9. Define what tools are required to perform the testing a  | 1.  | Title      | Formulate equipment testing procedures   |
| 5. Credit       3         6. Competency       6.1 Possess the knowledge in the subject area       Performance Requirement         6. Competency       6.1 Possess the knowledge in the subject area       Possess extensive knowledge of the features related to the equipment that are being tested and refer to operational manuals, if and when needed         7. Assessment Criteria       6.2 Eventsion       Capable of exercising discretions or judgments on the following during the formulation process: importance, dependency, complexity, security and other factors which may affect the tests or test results         6.2 Formulate equipment       Extensively experienced with operation of testing to the tools used during testing testing procedures         6.2 Formulate equipment       Eather to the equipment to be tested and acquire manufacturers' product manuals, specifications, and performance guides         7. Assessment Criteria       6.3 Exhibit professionalism       Ensure all documentations are created to the required quality and schedule of the intended test activity. Specify testing tasks, who performs the task, if appropriate, and any risks requiring contingency         7. Assessment Criteria       The integrated outcome requirement and file the tests or test environment and during testing         7. Assessment Criteria       The integrated outcome requirements of the sub- or test activity. Specify validated or test environment and performance and/or outcome of testing on vironment and file the testing procedures complying with testing standards of the company         7. Assessment Criteria       The integrated sub- outcome requir  |     |            | This UoC concerns developing testing procedures for network equipment of various sizes or complexities which include telephony equipment, data network wireless (Mobile or WIFI), transceivers, multiplexors, routers, home media, modem, access   |
| 6. Competency       6.1 Possess the knowledge in the subject area intervel area and area in the subject area intervel area and the back area and in the subject area intervel area intervel area intervel area intervel area intervel area intervel area and area intervel area intervel area intervel area intervel area and area intervel area inthe subject area andin the subject area intervel area and area inte | 4.  | Level      | 4  |
| <ul> <li>6.1 Possess the knowledge in the subject area</li> <li>Possess the knowledge in the subject area</li> <li>Posses relative knowledge of the features related to the equipment that are being tested and refer to operational manuals, if and when needed</li> <li>Possess planning skills, analysing skills and testing techniques</li> <li>Extensively experienced with operation of testing tools which may include software tools</li> <li>Capable of exercising discretions or judgments on the following during the formulation process: importance, dependency, complexity, security and other factors which may affect the tests or test results</li> <li>Extensively experienced with evaluating and analysing quality test results and formulating recommendations</li> <li>K nowledgeable of health and safety rules and hazards related to the equipment to be tested and acquire manufacturers' product manuals, specifications, and performance aguides</li> <li>Detrimine the areas to test, the objectives of the testing and the benchmarks to achieve i.e. expected result</li> <li>Define what tools are required to perform the tests and wha settings are needed for each test case or level of test</li> <li>Define any special environment needel to monitor the performance and/or outcome of tests</li> <li>Register test plans and initiate test log enries which describe the scope, approach, resource (may include test data) and schedule of the intended test activity. Specify testing tasks, who performs the task, if appropriate, and any risks requiring contingency</li> <li>Specify validated or expected test results and acceptance processes (ref ITCSNO413A)</li> <li>Document and file the testing procedures complying with testing standards of the company</li> <li>Assessment</li> <li>The integrated outcome requirements of this UCC are the abilities to:         <ul> <li>formulate a suitable test plan/procedure for testing of network equipment which can demonstrate the objectives</li></ul></li></ul>                 |     |            | 3  |
| 6.2 Formulate equipment testing procedures       Be able to:       Identify the equipment to be tested and acquire manufacturers' product manuals, specifications, and performance guides         0.2 Experiment testing procedures       Determine the areas to test, the objectives of the testing and the benchmarks to achieve i.e. expected result         0.2 Determine the areas to test, the objectives of the testing and the benchmarks to achieve i.e. expected result       Define what tools are required to perform the tests and what settings are needed for each test case or level of test         0.2 Define what tools are required to perform the tests and what settings are needed for each test case or level of test       Define any special environment needed to monitor the performance and/or outcome of tests         0.3 Exhibit       Register test plans and initiate test log entries which describe the scope, approach, resource (may include test data) and schedule of the intended test activity. Specify testing tasks, who performs the task, if appropriate, and any risks requiring contingency         9 Specify validated or expected test results and acceptance processes (ref ITCSNO413A)       Document and file the testing procedures complying with testing standards of the organisation         1 Include consideration to safety in the creation of testing environment and during testing         7. Assessment Criteria       The integrated outcome requirements of this UoC are the abilities to: <ul> <li>i. formulate a suitable test plan/procedure for testing of network equipment which can demonstrate the objectives of the test are achieved</li> <li>ii. provide suitable samples and guidelines on test environment setup</li></ul>   | 6.  | Competency | <ul> <li>6.1 Possess the knowledge in the subject area</li> <li>Possess extensive knowledge of the features related to the equipment that are being tested and refer to operational manuals, if and when needed</li> <li>Possess planning skills, analysing skills and testing techniques</li> <li>Extensively experienced with operation of testing tools which may include software tools</li> <li>Capable of exercising discretions or judgments on the following during the formulation process: importance, dependency, complexity, security and other factors which may affect the tests or test results</li> <li>Extensively experienced with evaluating and analysing quality test results and formulating recommendations</li> <li>Knowledgeable of health and safety rules and hazards related to the equipment being tested or the tools used</li> </ul>  |
| professionalism       and standard of the organisation         • Include consideration to safety in the creation of testing environment and during testing         7. Assessment Criteria       The integrated outcome requirements of this UoC are the abilities to: <ul> <li>i. formulate a suitable test plan/procedure for testing of network equipment which can demonstrate the objectives of the test are achieved</li> <li>ii. provide suitable samples and guidelines on test environment setup to assist testing</li> <li>iii. document the testing procedures and expected results in a manner that can be understood by non technical readers</li> </ul>   |     |            | <ul> <li>6.2 Formulate equipment testing procedures</li> <li>Be able to: <ul> <li>Identify the equipment to be tested and acquire manufacturers' product manuals, specifications, and performance guides</li> <li>Determine the areas to test, the objectives of the testing and the benchmarks to achieve i.e. expected result</li> <li>Define what tools are required to perform the tests and what settings are needed for each test case or level of test</li> <li>Define any special environment needed to monitor the performance and/or outcome of tests</li> <li>Register test plans and initiate test log entries which describe the scope, approach, resource (may include test data) and schedule of the intended test activity. Specify testing tasks, who performs the task, if appropriate, and any risks requiring contingency</li> <li>Specify validated or expected test results and acceptance processes (ref ITCSNO413A)</li> </ul> </li> </ul> |
| Criteriai.formulate a suitable test plan/procedure for testing of network equipment which<br>can demonstrate the objectives of the test are achievedii.provide suitable samples and guidelines on test environment setup to assist testing<br>iii. document the testing procedures and expected results in a manner that can be<br>understood by non technical readers   |     |            | <ul><li>professionalism and standard of the organisation</li><li>Include consideration to safety in the creation of testing</li></ul>  |
| Remark   | 7.  |            | <ul> <li>i. formulate a suitable test plan/procedure for testing of network equipment which can demonstrate the objectives of the test are achieved</li> <li>ii. provide suitable samples and guidelines on test environment setup to assist testing</li> <li>iii. document the testing procedures and expected results in a manner that can be</li> </ul>   |
|  | Rei | mark       |  |

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