

Functional Area: Network Infrastructure & Operation (Operation / Support & Maintenance)

1. Title	Perform maintenance and repair of feeder cables
2. Code	ITCSNO318A
3. Range	This UoC concerns maintaining or repairing feeder cables which include any metallic cable such as telephone, coaxial, and data cable; and optical cable such as outdoor or indoor, single-mode or multi-mode
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"> • Comprehend wiring plans/drawings • Experienced with fault finding and faults diagnosing using tools • Able to operate diagnostic tools as well as cable splicing and joining tools • Experienced with cabling procedures and techniques, optical fibre standards and repairs • Able to use testing tools • Experienced with planning repair works and keeping report status of the required work <p>6.2 Perform maintenance and repair of feeder cables</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Identify the magnitude of maintenance work required, initially with a visual check such as loss of joint connection, terminations of distribution points, broken cable shielding, and follow with appropriate testing tools, if required • Plan a maintenance/repair procedure, such as whether it is needed to reproduce the problem or reproduce the fault or 2 points receiving signals, etc. Also plan how to demonstrate the repair work is completed successfully and meet the required quality and standard • Perform the repair or replacement of cable in accordance with the organisation guidelines or manufacturer's requirements • Perform tests to ensure maintained/repaired cable is functioning as required • Perform labelling, tidying and cleaning procedures. • Perform reporting of completed work by recording all diagnostics and actions taken. Escalation is needed if repair work is beyond own capability <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Follow safety procedures at every step during the repairing process. • Ensure that the repaired cable is operating at the manufacturer's required level • Ensure all completed works are logged and documented in accordance to the organisation policy and standard
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ol style="list-style-type: none"> i. perform preliminary visual check of the feeder cable to determine any broken, cracked, loose joint cable, etc ii. discover hidden cable problems by using specialised tools iii. plan the repair work required which includes replacing cable, distribution joint equipment, etc iv. verify on completion of repair by testing the cable to ensure it can transmit signals and perform to the required level v. perform cleaning and tidying work when repair work is completed to leave the area as close as possible to the original state
Remark	