

Functional Area: Network Infrastructure & Operation (Implementation)

1. Title	Installation of network switching equipment
2. Code	ITCSNO307A
3. Range	The scope of this UoC includes core exchange switching equipment, wireline, wireless or mobile equipment which may be mechanical or digital i.e. traditional voice switching or NGN IP network equipment, etc.
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 and follow site plan/drawing • Comprehend equipment installation instructions • Knowledgeable of network protocols such as TCP/IP • Knowledgeable of Mobile Transmission principles • Possess experience with the functions and operations and installation of mechanical or softswitching systems • Knowledgeable of various Access Network technologies like xDSL, WiMAX, public WIFI, 3GPP, etc • Knowledgeable of work health and safety procedures <p>6.2 Installation of network switching equipment</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Liaise with appropriate people to confirm on requirements of the work order/plan • Itemise and keep inventory of all required parts • Identify placement of the equipment from site plans/drawings • Determine suitable power points and construct power cable to reach the power point, if necessary • Install the equipment as per instructions of the manufacturers • Connect power • Connect equipment to transmission media • Test equipment to ensure it is functioning as per requirement of the manufacturers • Create a job completion report <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Follow safety procedures at every step during the installation • Ensure equipment are installed to required quality standard
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ol style="list-style-type: none"> i. confirm details of work order with appropriate people so that appropriate equipment may be purchased or prepared for installation ii. read site plans/drawings and prepare the site for installation of the switching equipment iii. install and test the functionality of the switching equipment to ensure they are operating to the required standard
Remark	