

Functional Area: Network Infrastructure & Operation (Implementation)

1. Title	Perform installation of metallic cables at residential / commercial buildings
2. Code	ITCSNO202A
3. Range	This UoC includes installation of metallic cable for voice, data or multi-media services at user end, such as coaxial, UTP, 2-wire telephone, etc.
4. Level	2
5. Credit	2
6. Competency	<p><u>Performance Requirement</u></p> <p>6.1 Possess the knowledge in the subject area</p> <ul style="list-style-type: none"> • Comprehend Site Plans/Drawings • Understand health and safety procedures • Comprehend equipment and cabling installation instructions • Capable of following cabling procedures and techniques • Possess basic knowledge of structured cabling system • Understand cable testing techniques • Capable of using appropriate cabling tools and test equipment • Capable of using hand-held terminal/PDA/notebook computer, etc <p>6.2 Perform installation of metallic cables at residential / commercial buildings</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Obtain cabling work orders from team leader or direct from computer system • Perform components/parts/tools collection for the cabling job • Perform IP and DP (Distribution Point) box installation • Perform vertical and horizontal cabling • Perform cable termination, at MDF (Main Distribution Frame)/IP/patch panel • Perform labelling or marking of cables • Carry out functional and acceptance tests • Make a record of work performed and complete work order report for sign off <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Follow safety procedures at every step during the installation. • Perform installation of cables conforming to required quality and standards and seek supervisor advice when encounter difficulties • Communicate job status and work progress to customers to acquire their trust and confidence • Represent the organisation in a professional manner
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ol style="list-style-type: none"> i. understand the job requirements from supervisors or job orders ii. identify different types of cables to have the right cables and tools for the job iii. carry out the cabling preparation, installation and related works conforming to required quality and standards iv. perform testing with appropriate tools to ensure the cable is functioning to required standard v. complete the necessary job completion documentation vi. communicate job status to customers
Remark	The competencies in this UoC also apply to metallic cable maintenance