

Functional Area: Network Infrastructure & Operation (Implementation)

1. Title	Implementing and supervising network cabling at residential / commercial buildings	
2. Code	ITCSNO310A	
3. Range	This UoC concerns supervising network cabling which covers indoor and outdoor installation and applies to communication applications (digital or analogue) including telephony, data, video broadcasting, computer networks, etc. Cabling includes metallic cable such as telephone, coaxial, and UTP, optical cable including outdoor and indoor single-mode or multi-mode.	
4. Level	3	
5. Credit	4	
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 work orders or contracts. • Determine what resources are required for cabling projects, which may include: staff, finance, facilities and equipment, time availability, consumables and cabling hardware, etc • Understand related safety procedures • Possess the skills to communicate the installation procedures and cabling techniques to team members • Possess basic knowledge of cabling industry standards such as ANSI/TIA/EIA and cable types for overground, underground, UTP (Cat 1- Cat 6), Optical Fibre (single mode, multi mode) etc. • Experienced with various techniques and operation tools for joining metallic and fibre cables • Experienced with cable quality standards and use of tools to measure cable performance that meets customer's expectation <p>6.2 Implementing and supervising network cabling at residential / commercial buildings</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Determine and confirm the job order requirement from relevant documents or persons. This includes: cabling needs, time and scheduling requirements, etc • Plan the cabling project and communicate with relevant parties such as project manager, customer (internal and/or external) and installation team • Assist in preparation of network infrastructure cabling design and/or financial cost planning. Budget projection is estimated and needed to be approved within contract pricing • Identify the availability and suitability of human resources in accordance to the type of cabling needs. Recruitment and training may be required • Monitor cabling activities to ensure that it conforms to the required quality standard of the vendor/legislative/industry requirement • Carry out work reallocation as required to ensure cabling job is completed to the clients' and the organisation's expectation • Perform cabling checks and tests to ensure conformation to relevant signoff procedures • Perform job completion reports and indicate any necessary actions and/or recommendations for effective improvement, if necessary. Distribute reports to relevant parties <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure cabling job is completed adhering to industry standards • Follow safety procedures at every step during the installation 	
7. Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ol style="list-style-type: none"> i. plan cabling jobs to fulfil the company and customers requirements ii. coordinate appropriate and sufficient team members to complete the cabling job in accordance with schedule and quality standards iii. monitor the job progress to ensure job is completed on schedule or appropriate action is taken iv. communicate the job requirements and reporting of status effectively to stakeholders 	
Remark		