

Functional Area: Network Infrastructure & Operation (Implementation)

1. Title	Draw site/facilities plan
2. Code	ITCSNO304A
3. Range	This UoC concerns with the production of site/facility plan (drawing) for telecommunication network (fixed or mobile) construction. Site may be local switch station, mobile network (Tacs, 2G, 3G, etc.) station, cell site for antennas, etc.
4. Level	3
5. Credit	4
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 network infrastructure plans, constructor drawings, rooftop structure mapping, etc. • Experienced with structural and civil engineering, land “Right of Way” • Knowledgeable in drafting code of practice and using appropriate tools for design drawing • Extensively experienced with draft drawings • Experienced with facility requirements, such as air-conditioning, power supply, cabling, termination systems, etc • Comprehend organisation policy and documentation and able to gather requirements effectively from customer or work associates. • Understand health and safety procedures, government regulations, fire regulations, compliances, etc. <p>6.2 Draw site/facilities plan</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Obtain information on existing building site and propose installation such as building plans. • Identify and evaluate different installation options i.e. cost options, facilities options, cabling options, etc • Draft the required drawings such as floor framing plan, wall thickness, floor plans (entry points of risers), facility mounts and capacity (including future expansion), outlets, power feeds, equipment hosting locations • Distribute the plan/drawing to relevant parties for review/approval <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Always take into consideration and strike a proper balance among all related technological, environmental and legal factors • Ensure all works conform to industry drawing standards
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ol style="list-style-type: none"> i. gather the necessary details or information on the concerned site, such as building floor plans, cabling plans, access details, etc ii. determine any restricted elements of the building, such as height, size, power point, etc. which need to take into consideration as they affect the site drawing/design iii. consider the various needs of the network equipment, produce the site design/drawing/plan to conform to official standards (for government planning permission) or contractor’s requirements
Remark	