

Functional Area: Network Infrastructure & Operation (Implementation)

1. Title	Carryout site survey
2. Code	ITCSNO303A
3. Range	This UoC concerns with site survey of suitable sites 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 • Experienced with network requirements • Knowledgeable of network architecture and technologies (analogue and digital), such as switching, transmission, etc • Knowledgeable of structural and civil engineering, land “Right of Way”, • Knowledgeable with geographical maps and landscapes • Understand health and safety procedures, government regulations, compliances and has appropriate government recognised certifications such as electrical engineer, etc. <p>6.2 Carryout site survey</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Prepare for the survey by understanding detailed requirements with planning staff, determine ownership (building management representative), title search, coordinate site visit with site owner • Undertake survey of the sites, buildings, facilities to determine the suitability of meeting the requirement such as: access, security, environment, power, earthing and capacity for growth • Undertake survey of environmental conditions such as regulatory/statutory requirements, weather conditions and impacts, owner/community attitude • Document survey report in accordance with the organisation standard format, detailing findings, various options with cost/benefits and recommendations <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Follow safety procedures while performing the site survey of the site • Perform documentation in accordance with organisation requirement and standards
7. Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ol style="list-style-type: none"> i. study network infrastructure plans and work with appropriate departments/colleagues to acquire site requirements ii. coordinate with appropriate parties (building owners, management offices, contractors, etc.) to arrange site visit iii. study the site systematically to determine its suitability to erect/construct/house the required network equipment iv. document the site visit details as required by the organisation and make recommendation on the suitability
Remark	