Functional Area: Network Infrastructure & Operation (Implementation)

1.	Title	Identify suitable site
2.	Code	ITCSNO409A
3.	Range	This UoC concerns with identifying appropriate site 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	4
5.	Credit	3
6.	Competency	<table><tr><td colspan="3">Performance Requirement</td></tr><tr><td>6.1</td><td>Possess the knowledge in the subject area</td><td> - Possess extensive experience with identifying and formulating network infrastructure plans, constructor drawings, rooftop structure mapping, etc - Knowledgeable with various network technologies - Knowledgeable with RF spectrum and transmission characteristics - Knowledgeable and experienced with structural and civil engineering, and land "Right of Way" - Knowledgeable with geographical maps and landscapes - Understand health and safety procedures, government regulations, compliances, etc. </td></tr><tr><td>6.2</td><td>Identify suitable site</td><td>Be able to: - Analyse network plans and requirements. Together with demographic maps initial suitable location is marked - Identify suitable land /roof top for locating the telecom infrastructure based the network plan. Suitable site needs to consider geographical location, weather impacts, transmission impacts, environmental impacts, housing of equipment, power supply, etc - Prepare documented report on possible suitable sites, with recommendations, using the organisation standard format and submit to appropriate people to perform site survey </td></tr><tr><td>6.3</td><td>Exhibit professionalism</td><td> - Always strike a proper balance among all stakeholders - Always take into consideration and strike a proper balance among all related technological, political, social, environmental and legal factors </td></tr></table>
7.	Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: i. study network infrastructure plans and work with appropriate departments/colleagues to determine the type of network equipment being installed ii. use appropriate means (area maps, building drawings, photographs, etc.) with the requirements and mark possible locations for installation of suitable sites iii. document the possible sites for site survey, with order of priority
	Remark	