

Functional Area: Network Infrastructure & Operation (Implementation)

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| 1. Title | Perform commissioning of new site |
| 2. Code | ITCSNO410A |
| 3. Range | This UOC concerns with the commission of new site/facility for telecommunication network (fixed or mobile). 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 | <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"> • Critically understand the site design plans, constructor drawings, etc. • Experienced in determining facility requirements, such as air-conditioning, power supply, cabling, termination systems, etc. • Understand implication and needs of site/building auditing, network provisioning and bring network nodes into service • Knowledgeable of operational characteristics and features of network equipment, such as switching, RF transmitter, modems, routers, and use of suitable tools to test, configure these equipment • Knowledgeable of health and safety procedures, government regulations, fire regulations, compliances, etc. • Experienced in project management of telecommunication site acceptance procedures, scheduling and planning, etc. • Knowledgeable in regulatory requirement for network site and equipment deployment such as transmitter positioning, frequencies etc. <p>6.2 Perform commissioning of new site</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Plan the site commissioning procedure such as how to audit various contractor deliverables, equipment performance and requirements, cut over schedules, etc. • Co-ordinate and schedule all parties involved for the commissioning, informing of schedules and actions required • Verify the site conforms to the drawing plan, facilities/equipment are at correct location and conforms to regulatory requirements • Determine what equipment are connected, whether they are meeting safety requirements, configured and performing to the technical manual specifications and regulatory requirements • Perform site acceptance for cables, antennas, power, earth, access and equipment built from contractors • Coordinate with colleagues/vendors to perform site and network testing • Coordinate the cutover of existing services to new site in accordance with project design and the organisation practices and regulatory requirements • Document all activities, equipment configurations, test results, and signoffs, conforming to organisation standards and policies <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> • Design the commissioning task/process to follow safety procedures at every step and work production to meet required quality standard |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this UoCs are the abilities to:</p> <ol style="list-style-type: none"> i. plan the site commissioning tasks with schedules and checkpoints that can monitor each activity or task effectively ii. coordinate with various parties (internal or external) and organise the tasks for completion in accordance with the plan iii. validate, test and accept completed tasks/functions to ensure it operates as required by the specification/requirement iv. migrate or activate the services to new site in a manner that will not disrupt existing services |
| Remark | |