

**Functional Area: Network Infrastructure & Operation (Planning & Design)**

1. Title	Perform financial modelling of deploying new telecommunication networks
2. Code	ITCSNO601A
3. Range	This UOC applies to financial modelling of deploying new networks. Networks can be voice, data, LAN, WAN, MAN, wired or wireless, mobile 2G/3G/4G, WiMAX, LTE or NGN, etc.
4. Level	6
5. Credit	3
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"> <li>• Possess extensive experience in risk management, planning and business needs in network deployment</li> <li>• Experienced with network capacity planning (current and growth forecast)</li> <li>• Possess extensive knowledge of current and emerging technologies and its applications</li> <li>• Possess extensive knowledge of network architecture and network technologies</li> <li>• Possess extensive knowledge of the necessary network components involved for the modelling and its cost</li> <li>• Possess extensive experience in management and financial accounting techniques</li> <li>• Knowledgeable in financial modelling techniques and use of application tools such as Excel, etc.</li> </ul> <p>6.2 Perform financial modelling of deploying new telecommunication networks</p> <p>Be able to:</p> <ul style="list-style-type: none"> <li>• Define and design different network scenarios, such as different network architecture, performance, resilience, size, schedule, etc.</li> <li>• Identify hardware, software, manpower, site, materials costs</li> <li>• Deploy appropriate modelling tools to related reports such as portfolio returns, possible CAPEX (constructors, rollout resource, equipment) and OPEX (site rental, power usage, manpower, etc.)</li> <li>• Manage the documentation process to ensure most of the key scenarios are included to facilitate decision making</li> <li>• Present and recommend a suitable model to stakeholders for consideration</li> </ul> <p>6.3 Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Always take into consideration and strike a proper balance among all related technological, political, social, environmental and legal factors</li> <li>• Follow the organisation's business plans and assist the company to achieve best ROI</li> <li>• Always look after the interest of the organisation as well as customers</li> </ul>
7. Assessment Criteria	The integrated outcome requirements of this UoCs are the abilities to: <ul style="list-style-type: none"> <li>i. use financial modelling tool and techniques with various network implementation factors to design suitable network for deployment</li> <li>ii. identify factors or parameters that can affect network deployment ROI</li> <li>iii. present effectively various design models to assist decision making</li> </ul>
Remark	