

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

1. Title	Identify the required network equipment specification	
2. Code	ITCSNO405A	
3. Range	This UoC concerns identification of appropriate network equipment for a network. The equipment specification may be used for component purchasing when building or maintaining new or existing networks. Networks can be wireline, mobile, voice, data, etc. This task involves working with purchasing or other departments to determine whether the equipment is stocked internally or needed to be purchased	
4. Level	4	
5. Credit	4	
6. Competency	<p>6.1 Possess the knowledge in the subject area</p> <p>6.2 Identify the required network equipment specification</p> <p>6.3 Exhibit professionalism</p>	<p><u>Performance Requirement</u></p> <ul style="list-style-type: none"> • Experienced with identifying and formulating network equipment requirement specifications • Possess extensive knowledge of various network architectures, network technologies and components • Possess extensive experience in vendor sourcing procedures such as writing RFP (Request for Proposal) and product evaluation • Possess extensive knowledge of the use of internal “parts supplier” systems which keep a list of parts/components with suppliers details • Understand health and safety procedures, government regulations, compliances, etc. <p>Be able to:</p> <ul style="list-style-type: none"> • Analyse the network requirement specification. Decompose to subcomponents, and parts if required, based on the network architecture, size, configuration, etc • Determine the functionality of the network equipment and assign the internal part/component number. Coordinate with purchasing or other departments to assign new part/component number, if required • Prepare RFP documents if the required equipment is not stocked by current suppliers or it’s a new item • Prepare an itemised list, in accordance with the organisation’s and purchasing department’s standard. This may contain: internal part number, supplier details, supplier’s part number, price (for ref.), etc • Manage the documentation and internal system updates. Also ensure the appropriate stakeholders (such as purchasing department, design team, etc.) are aware of the updates <ul style="list-style-type: none"> • Comply with the organisation’s standard procedures and policies when new components are required to be purchased • Always take into consideration and strike a proper balance among all related technological, political, social, environmental and legal factors
7. Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ol style="list-style-type: none"> i. determine the appropriate components or equipment to be used for the network construction or maintenance from network plans or specifications ii. work with colleagues to ensure the components are being stocked internally or required to purchase. If required purchasing, the correct RFP documents are prepared and forwarded to vendors 	
Remark		