Unit of Competency

Functional Area: Information Technology

Title	Develop a network technology architecture model
Code	100394L5
Range	Develop and recommend a network technology architecture model that is applicable to the needs of various stakeholders in an organisation
Level	5
Credit	5 (for reference only)

Competency	Performance Requirements
	6.1 Understand various network technology architecture models
	    Be able to
	• select the appropriate network technology architecture models for the business
	• select the appropriate industry-based reference models for the business
	6.2 Develop a network technology architecture model in a professional manner
	    Be able to
	• develop an appropriate network architecture model based on the network technology architecture principles and business requirements in accordance with the organisation's policies and procedures
	• systematically identify the building blocks that are needed in the target network architecture and/or should be removed from the current baseline network architecture
	• clearly explain the reasons to exclude those building blocks to be removed from the baseline network architecture
	• clearly explain the reasons to include those building blocks (e.g. services, functions) that are needed to support the target network architecture in alignment with the business needs
	• clearly explain that the reasons to include those building blocks in the target network architecture is to align with the business goals
	• select the appropriate industry-based reference model(s) for the business
	• develop a network technology architecture model to meet the requirements as stated in the network technology architecture principles
	6.3 Validate the network technology architecture model
	    Be able to
	• test the network technology architecture model to ensure that it addresses the requirements for completeness
	• conduct a formal checkpoint review of the architecture model and its building blocks with stakeholders, ensuring the business goals are met
	• perform final cross check to ensure the overall architecture model addresses the business requirements

Assessment Criteria	The integrated outcome UoCs requirements of this UoCs are the abilities to develop a network technology architecture model that addresses the business requirements based on the stakeholder needs.
Remark	Pre-requisite: ITSWAR509A

Extract from the Unit of Competency of Specification of Competency Standards for the Information and Communications Technology Industry