Fur	nctional Area:	Network Infrastructure & Operation (Security)
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1.	Title	Define network security plans	
2.	Code	ITCSNO429A	
3.	Range	As networks are getting more and more complex and network users are getting more and more sophisticated, they expect reliabilities and continuous connectivity from the operator network. Security of the whole network infrastructure and all its components are essential factors to ensure an optimal operation of the network. This UoC describes the competenci for defining network security plan. Security considerations include: hackers, fraudulent us or even careless staff, etc.	
4.	Level	4	
5.	Credit	3	
6.	Competency	 6.1 Possess the knowledge in the subject area Knowledgeable of the organisation's policies regarding network security Knowledgeable of the network infrastructure and the services that it supports Experienced with security principles and best practices Possess extensive experience with risk management principles and be able to identify different network security components Experienced with project planning and management techniques Possess knowledge of health and safety rules and hazards regarding network infrastructure 6.2 Define network security plans Be able to: Perform security assessment of the organisation's "asset" to determine the level of risk and vulnerability Perform identification of suitable network security components for security access control, authentication, encryption, key management, or just plain security awareness, etc Budget for the project should line up roughly with expectations to secure the exposures uncovered in the initial assessment Formulate a deployment program of security control Formulate security control Formulate security control Formulate security control subst of the organisation's disaster recovery and business continuity strategies Document the security plan and present to appropriate stakeholders for security plan and present to appropriate 	
		 6.3 Exhibit professionalism Ensure all documents are produced conforming to organisation standards Always take into consideration and strike a proper balance among all related technological, environmental and legal factors 	
7.	Assessment Criteria	 The integrated outcome requirements of this UoC are the abilities to: i. define network security vulnerabilities and assess where these vulnerability exist in the organisation's network ii. formulate security plans to strengthen and counter the risk areas of the network iii. design tools that can measure the effectiveness of the security plans iv. identify cost of implementing the security plans v. effectively document, present and make recommendation of suitable security plan to stakeholders and seek approval for implementation 	
Re	mark		