

Specification of Competency Standards
for the Travel Industry
Unit of Competency

Functional Area - Information technology application and support

Title	Develop a network security strategy
Code	110749L5
Range	This unit of competency involves design and assessment abilities, and IT skills. Practitioners should be able to master the company's overall business model develop appropriate network security strategies, and regularly review the network security status of various systems.
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Master the knowledge of network security</p> <ul style="list-style-type: none"> • Understand network security policies, principles and operational methods • Familiarise with network infrastructure systems, support services, service requirements, safety practices and risks • Manage emergent cybersecurity incidents according to established guidelines • Configure different network security components based on network management risk principles • Master the encryption technology concepts and terms that are commonly used in networks and the internet <p>2. Develop appropriate network security policies</p> <ul style="list-style-type: none"> • Assess the company's network security, potential risks and vulnerabilities, and remediation methods • Develop a network security plan and submit it for approval • Develop deployment plans for targeted network security technologies (including firewalls, intrusion detection systems, etc.), as well as security components, and propose requirements for human resources • Use appropriate network security components to protect the company's assets, including physical security, network security, connection control, identity authentication, encryption arrangements, and password management, etc. • Develop a cybersecurity contingency plan that is in line with the disaster recovery and business continuity strategy of the company, including determining an acceptable downtime if network services are affected and analysing the after-effects of service disruptions • Ensure that cybersecurity expenditures are budgeted in accordance with the estimated risk expectations • Assess whether the IT systems of the company and other partner organisations are compatible with the network security strategies of each other <p>3. Demonstrate professional skills and attitude</p> <ul style="list-style-type: none"> • Focus on the development of network security technology, and master its development trends as well as updates to relevant legislation regularly • Ensure that all network security documents are complete and meet the company's standards
Assessment Criteria	<p>The integrated outcome requirement(s) of this unit of competency is/are:</p> <ul style="list-style-type: none"> • Master the company's overall business model, formulate appropriate network security strategies, and regularly review the network security status of various systems; and • Assess whether the IT systems of the company and other partner organisations are compatible with the network security strategies of each other

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