Specification of Competency Standards
for the Import and Export Industry
Unit of Competency

Functional Area - E-commerce Technology Management

Title	Formulate network security system strategies
Code	110984L5
Range	This unit of competency is applicable to practitioners responsible for implementing system security and developing network system security guidelines and strategies to prevent network system attacks, safeguarding the normal and secure operation of network systems.
Level	5
Credit	8
Competency	Performance Requirements 1. Possess knowledge of network security systems • Examine the operation of network application systems • Analyse the security risks of information systems to develop security system strategies • Examine business operations related to e-commerce • Examine enterprise management processes for network security systems 2. Develop network security system strategies • Evaluate and identify the threats faced by the internal and external networks • Establish security incident handling and reporting procedures to facilitate detection and monitoring of incidents • Establish tracking records (audit trail) in systems and applications • Establish detection and monitoring systems for security incidents • Conduct regular independent third-party reviews of network application systems to identify potential vulnerabilities • Arrange network security awareness training courses to ensure relevant colleagues to participate • Analyse the internal and external network security equipment and control measures • Evaluate the performance of network security system strategies, maintain security levels, and propose updates to network security 3. Exhibit professionalism • Develop network security system strategies in compliance with relevant regulations in Hong Kong and other jurisdictions
Assessment Criteria	The integrated outcome requirements of this unit of competency are: • Capable of assessing and identifying network internal and external threats • Capable of evaluating the effectiveness of network security system strategies, maintaining security levels, and proposing network security recommendations • Capable of formulating network security system strategies in compliance with relevant regulations in Hong Kong and other jurisdictions
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