Specification of Competency Standards
for the Travel Industry
Unit of Competency

Functional Area - Information technology application and support

Title	Develop an overall plan for website security
Code	110750L5
Range	This unit of competency involves IT skills and planning abilities. Practitioners should be able to make an overall plan for website security that meets legal website security requirements and the company's needs, and regularly monitor and assess the situation.
Level	5
Credit	5 （For Reference Only）

Competency	Performance Requirements
	
	1. Master the knowledge of planning website security
	
	• Understand the importance of website security
	   o Assess the damage caused by a website attack, according to including company size, customer needs and website functions, etc.
	   o Use penetration testing tools to understand whether a website is sufficiently secure
	• Master the latest network security technologies
	• Understand and analyse the company's overall e-commerce situation, including business model, IT and network utilisation, website content, and online marketing strategy, etc.
	2. Establish a mechanism to monitor website security
	
	• Determine priorities for the website security plan, including:
	   o Protection of sensitive information
	   o Encryption of data
	   o Identity authentication
	   o Firewall technology
	• Establish and evaluate the website's security monitoring mechanisms
	   o Establish a proactive safety inspection mechanism
	   o Provide effective intrusion protection
	   o Establish a timely response mechanism for website security issues
	• Develop implementation details and conduct monitoring
	• Prepare relevant financial plans and analyse budget proposals
	• Monitor and evaluate website security regularly
	3. Demonstrate professional skills and attitude
	
	• Ensure that the website system's overall performance and non-technical factors such as cost, etc. are taken into account when designing the website security plan
	• Strictly comply with the legal requirements for website security

Assessment Criteria	The integrated outcome requirement(s) of this unit of competency is/are: • Master the knowledge of website security planning and the latest network security technology; and • Formulate an overall website security plan, and regularly monitor and evaluate security according to the legal requirements for website security and the company's needs
Remark	