

Specification of Competency Standards
for the Banking Industry
Unit of Competency

Functional Area - 6. Technology Management
(Key Function – 6.2 IT System Security/ Cybersecurity)

Title	Assess and monitor security level in IT systems and cyber environment
Code	109372L5
Range	Monitoring security risks of the IT system. This covers different kinds of security risks such as unauthorized access, alteration, unauthorized disclosure, etc. and different IT systems adopted by the bank.
Level	5
Credit	4 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge in the Subject Area</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Understand the risk trend related to IT systems and cyber environment; • Understand external environment on existing and potential threats and vectors; and apply the knowledge to articulate potential strategies to mitigate risks and attacks including, but not limited to exploits, phishing, vishing, trojans, worms, viruses, etc. <p>2. Applications</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Analyse data on security risk and determine the degree of risk faced by the bank; • Monitor the movement of risk levels of different kinds of risks and spot for abnormal or suspicious variations; • Analyse reports on virus or other problems to determine healthiness of the system; • Assess the risk level caused by service disruption related to cyber incident; • Identify problems in existing security products and recommend necessary maintenance and repair of the systems. <p>3. Professional Behaviour and Attitude</p> <p>Be able to:</p> <ul style="list-style-type: none"> • Evaluate the latest development in regulatory requirements related to information privacy and security and recommend improvement measures; • Evaluate effectiveness of security controls in the bank and identify improvement areas.
Assessment Criteria	<p>The integral outcome requirements of this UoC are:</p> <ul style="list-style-type: none"> • Identification of security problems by monitoring and analysing the reported data in risks level; • Proposal on upgrading the security system of the bank. The suggestions should be based on the current risks levels and evaluation on the effectiveness of existing security measures.
Remark	