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	Build necessary infrastructures to support policies on cybersecurity
Code	109371L5
Range	Design and development of different kinds of security infrastructures in cyber environment and IT systems. This applies to different types of IT systems and digital platforms adopted by the bank.
Level	5
Credit	4 （For Reference Only）
Competency	Performance Requirements 1. Knowledge in the Subject Area Be able to: • Comprehend the operations details of IT systems and digital platforms and apply the knowledge to evaluate the security policies of the bank and requirements of user departments in order to identify infrastructure necessary to ensure the system security. 2. Applications Be able to: • Propose design of infrastructures with the purpose of enhancing security of the cyber network systems and preventing or minimizing security risks; • Design the production plan for the infrastructure and monitor the production process; • Take necessary actions to ensure designs of infrastructure can comply with technology security requirements or regulations. 3. Professional Behaviour and Attitude Be able to: • Oversee penetration testing on the enhanced systems or infrastructure components for ensuring effectiveness of the plan; • Develop and oversee implementation plans of installation of the infrastructure; review periodically to ensure they are executed effectively to support the cybersecurity policies of the bank.
Assessment Criteria	The integral outcome requirements of this UoC are: • Design of cybersecurity infrastructure which can enhance security in the IT system and digital platforms. The systems built should be based on an analysis on the security requirements of the bank and user requirements of related business / operations units; • Supervision of the production and installation of the cybersecurity infrastructures to ensure fulfilment of the stated objectives.
Remark	