

Specification of Competency Standards for the Retail Banking

Unit of Competency

Technology Management > 5.1 Information and Cyber Security

Title	Build necessary infrastructures to support policies on cyber security
Code	107421L5
Range	Design and develop 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
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Evaluate needs in developing new infrastructures Be able to: <ul style="list-style-type: none"> • Evaluate operations of IT systems and digital platforms, the security policies of the bank and requirements of user departments to identify infrastructure necessary to ensure the system security 2. Design infrastructures Be able to: <ul style="list-style-type: none"> • Propose design of infrastructures with the purpose of enhancing security of the cyber network systems and preventing or minimizing security risks • Ensure designs of infrastructure can comply with technology security requirements or regulations 3. Oversee engineering of security measures Be able to: <ul style="list-style-type: none"> • Oversee penetration testing on the enhanced systems or infrastructure components for ensuring effectiveness of the plan • Design the production plan for the infrastructure and monitor the production process • Develop and oversee implementation plans of installation of the infrastructure
Assessment Criteria	<p>The integral outcome requirements of this UoC are:</p> <ul style="list-style-type: none"> • Design infrastructure which can enhance security in the IT system and digital platforms. The suggestions should be based on analysis on the security requirements of the bank and user requirements of related units • Supervision of the production and installation of the infrastructures to ensure fulfilment of the stated objectives
Remark	