

Specification of Competency Standards
for the Information & Communications Technology Industry
Unit of Competency

Functional Area - Information Security

Title	Propose appropriate countermeasures to prevent security attacks
Code	111179L5
Range	Ensure that internal and external information technology resources are secured by complying with the organization's cyber security policy and protect the organization's interests
Level	5
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand the needs for internal and external resources for information security</p> <ul style="list-style-type: none"> • Be able to identify and recognise the internal and external resources that could be compromised and posed as a risk to the organizations interests. <p>2. Identify the strengths and weaknesses of the internal and external resources for cyber security</p> <ul style="list-style-type: none"> • Be able to analyse and evaluate the characteristics, nature, limitations, strengths and weaknesses of the internal and external resources • Be aware and up to date with new security attack methods and new cybersecurity technologies <p>3. Designing and proposing appropriate countermeasures to enhance cyber security</p> <ul style="list-style-type: none"> • Address the weaknesses and deficiencies of the system by designing appropriate countermeasures to protect the resources • Propose update on the systems against new threats and enhance cyber security effectiveness with new technologies
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to :</p> <ul style="list-style-type: none"> • identify and optimise both internal and external resources and their weaknesses • stay up-to-date with new threads and new cybersecurity technologies • propose new countermeasures by adopting new technologies and techniques to enhance and enforce the cybersecurity
Remark	