

Specification of Competency Standards
for the Manufacturing Technology Industry
Unit of Competency

Functional Area - Operations Management

Title	Manage network security
Code	106551L5
Range	This unit of competency is applicable to all corporations of Manufacturing Technology Industry. Practitioners should be capable to manage network security effectively
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand relevant knowledge of managing network security</p> <ul style="list-style-type: none"> • Recognise new and developing communications technologies and security technologies, such as public key infrastructure (PKI), biometrics and smart cards • Understand the principles of information technology, including business IT systems, operating systems and databases • Understand network theory, including wide area network (WAN), wireless local area network (WLAN) and Ethernet • Understand the network security defense technologies, such as the use of firewalls and intrusion detection <p>2. Carry out network security</p> <ul style="list-style-type: none"> • Carry out risk analysis of hacking and network security audits, target the security threats faced by the corporation, such as hackers, viruses, and eavesdropping • Submit cost-effective network security improvement plan • Carry out analysis of network security devices and control measures, recommend appropriate network security equipment and control measures, such as firewalls • Install and set up network security equipment and control measures • Regular evaluate network security plans and equipment, and carry out continuous improvement • Handle network security incidents, and minimise the loss of the corporation <p>3. Professional handling of managing network security</p> <ul style="list-style-type: none"> • Ensure that network security is not threatened, and can prevent virus and hacker attacks • Comply with relevant codes of practices of communication network security legislation
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to identify cyber threats • Capable to determine the appropriate network security control measures • Capable to set up an effective network security plan
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