

**Specification of Competency Standards**  
**for the Security Services Industry**  
**Unit of Competency**

Functional Area - Physical Security & Technological Support

Title	Perform testing and commissioning of a security system for a client's site
Code	107685L3
Description	This unit of competency applies to frontline security personnel responsible for providing services associated with the design, installation, repair and/or maintenance of security systems and devices of a company holding a Type III security company license in Hong Kong. It covers the abilities to manage testing and commissioning of a security system for a client's site.
Level	3
Credit	2
Competency	<p>Performance Requirements</p> <p>1. Knowledge about testing and commissioning of a security system</p> <p>Be able to:</p> <ul style="list-style-type: none"> <li>• Understand the requirements of the Security and Guarding Service Ordinance (Cap 460) for security personnel engaged in the design, installation, repair and/or maintenance of security systems and devices to hold a valid Category D Security Personnel Permit</li> <li>• Understand the requirements under the Electricity (Registration) Regulations (Cap 406D) for all workers engaged in electrical work to be registered as an Electrical Worker with the Electrical &amp; Mechanical Services Department</li> <li>• Understand the company's policy, procedures and guidelines with regard to testing and commissioning of a security system</li> <li>• Understand the different phases and the testing criteria of a security system</li> <li>• Understand the client's functional, technical and operational specifications for the security system</li> <li>• Understand the configuration, deployment, transmission, termination and control of the security system</li> <li>• Understand various components of the security system and the function of each component in the field</li> <li>• Understand the physical environment of the premises</li> </ul> <p>2. Perform testing and commissioning of a security system for a client's site</p> <p>Be able to:</p> <ul style="list-style-type: none"> <li>• Perform testing and commissioning of a security system by phases, within the agreed timeframe and in accordance to the agreed criteria</li> <li>• Check the components and field devices to ensure that they meet the client's technical specifications and perform normal functioning prior to installation</li> <li>• Check the components and field devices after installation to ensure that they are properly installed and function according to client's specifications</li> <li>• Carry out a full testing of the system together with the client and the security control to confirm that the performance of the system meets the client's functional and operational specifications</li> <li>• Record details of the outcome of testing and commissioning</li> <li>• Follow through with the faults and failures until the issues are resolved</li> <li>• Carry out further testing to confirm the technical, functional and operational performance of the system and the field devices</li> <li>• Hand over the system to the client only after all the testing activities and rectifications are complete and meet the specified performance criteria</li> <li>• Keep clear records of the performance standards of the security system which will form the baseline for ongoing performance and maintenance</li> </ul>

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Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to: <ul style="list-style-type: none"><li>• Perform testing and commissioning of a security system according to the specified schedule and criteria; and</li><li>• Carry out the testing and commissioning activities correctly and safely and ensure that they meet the requirements of relevant workplace safety and security laws and regulations and policies, procedures and guidelines.</li></ul>
Remark	