

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

Functional Area - Physical Security & Technological Support

Title	Manage the testing and commissioning phase of a security project
Code	107675L4
Description	This unit of competency applies to security personnel at supervisory level and above responsible for managing physical security and technological support of an organisation. It covers the abilities to manage the testing and commissioning phase of a security project to ensure that the security systems and devices meet the technical and functional specifications.
Level	4
Credit	2
Competency	<p>Performance Requirements</p> <p>1. Knowledge about managing the testing and commissioning phase of a security project</p> <p>Be able to:</p> <ul style="list-style-type: none"> <li>• Describe 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>• Describe 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>• Describe the nature and mode of business operations at the premises</li> <li>• Describe the functional, technical and operational specifications of the electronic security systems</li> <li>• Describe the configuration, deployment, transmission, termination and control of the electronic security systems</li> <li>• Describe various components and field devices of the electronic security systems and the function of each component</li> <li>• Describe the physical environment of the premises</li> <li>• Describe the organisation's security policy, procedures and guidelines</li> </ul> <p>2. Manage testing and commissioning of electronic security systems</p> <p>Be able to:</p> <ul style="list-style-type: none"> <li>• Coordinate with the service provider's representative and agree on the testing and commissioning scope, schedule and criteria: <ul style="list-style-type: none"> <li>○ Preparation of drawings and diagrams to show the distribution of various components and field devices of the electronic security systems installed on site and their configuration, wiring and connection</li> <li>○ Confirmation that the components and field devices meet the technical specifications and are tested to perform normal functioning prior to installation</li> <li>○ On-site checks to confirm that the installation and wiring of each component and field device meet the specification and perform according to the functional and operational specifications</li> </ul> </li> <li>• Conduct a site inspection with the service provider to confirm the installation and functioning of the components and field devices according to specifications</li> <li>• Coordinate an on-site testing and commissioning involving the security control and the service provider to confirm the functional and operational performance of the systems and devices</li> <li>• Monitor and confirm completion of all the testing and commissioning activities as well as rectifications before accepting the systems for normal operations</li> <li>• Maintain proper records of all testing and commissioning activities and the accepted performance standards of the systems and devices as the benchmark 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>• Develop a testing and commissioning plan and monitor performance and outcomes to confirm that the systems and devices installed meet the technical, functional and operational specifications; and</li><li>• Maintain proper records of all testing and commissioning activities and the accepted performance standards of the systems and devices as the benchmark for ongoing performance and maintenance</li></ul>
Remark	