

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

Functional Area - Physical Security & Technological Support

Title	Manage the testing and commissioning of a security system for a client's site
Code	107674L4
Description	This unit of competency applies to security personnel at supervisory level and above 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 the testing and commissioning of a security system for a client's site.
Level	4
Credit	2
Competency	<p>Performance Requirements</p> <p>1. Knowledge about the testing and commissioning of a security system</p> <p style="padding-left: 40px;">Be able to:</p> <ul style="list-style-type: none"> • 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 • 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 & Mechanical Services Department • Describe the company's policy, procedures and guidelines with regard to testing and commissioning of a security system • Describe the different phases and the criteria of testing and commissioning of a security system • Describe the client's functional, technical and operational specifications for the security system • Describe the configuration, deployment, transmission, termination and control of the security system • Describe various components of the security system and the function of each component in the field • Describe the physical environment of the premises <p>2. Manage the testing and commissioning of a security system for a client's site</p> <p style="padding-left: 40px;">Be able to:</p> <ul style="list-style-type: none"> • Coordinate with the client the schedule of testing and commissioning as well as the scope of work and testing criteria at each phase • Develop measures and controls prior to testing and commissioning on-site, which should include: <ul style="list-style-type: none"> ○ Arrange to test the system components and field devices to ensure that they meet the client's technical specifications and perform normal functioning prior to installation ○ Arrange for a complete set of drawings and diagrams to show the distribution of the components and devices of the security system on-site and the wiring and configuration of the system • Arrange for inspection of the components and field devices installed on site to confirm that they are properly installed and that they function according to client's specifications • Conduct a site inspection with the client to confirm that the system components and devices are installed and function as specified • Arrange for inspection of the wiring and configuration of the system to confirm that they meet the client's specifications

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	<ul style="list-style-type: none"> • Deploy adequate manpower to carry out testing and commissioning of the system on-site together with the client and/or the security control to confirm that the performance of the system meets the client's technical, functional and operational specifications • Follow through with faults and failures identified until the issues are resolved • Hand over the system to the client only after all the testing and commissioning activities and rectifications are complete and meet the specified requirements • Maintain proper records of all testing and commissioning activities and outcomes and monitor the performance of the system according to the standards accepted after testing and commissioning
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • Manage testing and commissioning of a security system for a client's site and confirm that the system meets the client's technical, functional and operational specifications; and • Monitor testing and commissioning activities to ensure that they are carried out in accordance to the agreed scope, schedule and criteria and that proper records are maintained of the testing and commissioning actions and outcomes.
Remark	