

**Specification of Competency Standards**  
**for the Automotive Industry**  
**Unit of Competency**

Functional Area - Vehicle Servicing

Title	Check and repair vehicle lighting and signalling systems as well as the meters and indicating systems
Code	108652L2
Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be able to check, repair and adjust the lighting and signaling systems as well as the meters and indicating systems safely according to the instructions in the vehicle manufacturer's servicing manual. They should also be capable of conducting basic adjustments and tests on components upon completion of work and providing written report.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Structure and basic operating principles of lighting and signaling systems as well as the meters and indicating systems)</p> <ul style="list-style-type: none"> <li>• Understand the requirements of local legislative provisions in relation to vehicle lighting, signalling and indicating systems.</li> <li>• Understand the structure and basic operating principles of vehicle lighting and signalling systems as well as the meters and indicating systems.</li> <li>• Understand basic electric and electronic principles.</li> <li>• Know about general electronic/electric tools or instruments; test electronic/circuit systems/components.</li> <li>• According to the instructions in the vehicle manufacturer's servicing manual, understand the general checking and repairing procedure for the lighting and signalling systems as well as the meters and indicating systems.</li> <li>• Understanding of the relevant legal requirements on road and vehicle safety and environment protection.</li> </ul> <p>2. Performance (Check and repair lighting and signaling systems as well as the meters and indicating systems)</p> <ul style="list-style-type: none"> <li>• According to the instructions in the vehicle manufacturer's servicing manual and the requirements of occupational safety and health as well as that of environmental protection, safely check, repair and adjust vehicle lighting and signaling systems as well as the meters and indicating systems, including: <ul style="list-style-type: none"> <li>○ Capable of identifying the general problems in the components of lighting and signaling systems as well the meters and indicating systems by visual inspection</li> <li>○ Use specified tools and instruments to inspect the lighting and signaling systems as well as the meters and indicating systems</li> <li>○ According to instructions, check and repair the parts of lighting and signalling systems, meters and indicating systems as well as circuit systems, including dismantle, replace, re-assemble and adjust relevant system components and accessories</li> <li>○ Use specified tools or instruments to accurately measure and adjust the lighting and signalling systems as well as the meters and indicating systems</li> </ul> </li> <li>• Conduct performance and safety inspection after the work and provide written report focusing on: <ul style="list-style-type: none"> <li>○ Abnormalities</li> <li>○ Measured data</li> <li>○ Major decisions</li> </ul> </li> </ul>

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	<ul style="list-style-type: none"> <li>Capable of testing/checking vehicle lighting and signalling systems in accordance with relevant local legislative provisions if they can comply to relevant regulations and ordinances.</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is::</p> <ul style="list-style-type: none"> <li>Capable of checking and repairing general vehicle lighting and signaling systems as well as the meters and indicating systems safely according to the instructions in the vehicle manufacturer's servicing manual;</li> <li>Capable of conducting basic adjustments and tests on components upon completion of work, including test of headlamps and providing written report;</li> <li>Capable of safely testing the relevant systems to check if they meet the requirements as specified under relevant legislative provisions of Hong Kong and the vehicle manufacturer's servicing manual.</li> </ul>
Remark	<p>The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed basic knowledge of vehicle electronic and electrical system servicing.</p> <p>The major ordinance involved in this unit of competency is as follows:</p> <ul style="list-style-type: none"> <li>Relevant ordinances to the Road Traffic (Construction and Maintenance of vehicles) Regulations</li> </ul>