

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

1. Title	Check and repair vehicle lighting and signalling systems as well as the meters and indicating systems
2. Code	AUSDST213A
3. Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be capable 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 to conduct basic adjustments and tests of components upon completion of work.
4. Level	2
5. Credits	3(for reference only)
6. Competency	<p style="text-align: right;"><b><u>Performance Requirements</u></b></p> <p>6.1 Understand the 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> </ul>

	<p>6.2 Check and repair lighting and signaling systems as well as the meters and indicating systems ♦ 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:</p> <ul style="list-style-type: none"> <li>• Capable to identify 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> <li>• Conduct basic adjustments and tests of components upon completion of work</li> </ul>
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	<p>6.3 Professional practice in checking and repairing vehicle lighting and signaling systems</p> <p>◆ Capable to test/check vehicle lighting and signalling systems in accordance with relevant local legislative provisions if they can comply to relevant regulations and ordinances</p>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to check and repair 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;</p> <p>(ii) Capable to conduct basic adjustments and tests of components upon completion of work, including test of headlamps; and</p> <p>(iii) Capable to comply with relevant legislative provisions of Hong Kong and the instructions in the vehicle manufacturer's servicing manual, safely test the relevant systems to check if they can meet the requirements.</p>
8. Remarks	<p>(i) The credits value of this unit of competency is set on the presumption that the people concerned already possess basic knowledge of vehicle electronic and electrical system servicing.</p> <p>(ii) The major ordinance involved in this unit of competency is as follows: Relevant ordinances to the Road Traffic (Construction and Maintenance of vehicles) Regulations, such as the requirements on the light beam of headlamps and rated power of bulbs.</p>