Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Inspection and Prosecution

Title	Apply the specialised vehicle inspection facilities and equipment and conduct associated basic maintenance
Code	111648L3
Range	This unit of competency is applicable in designated vehicle examination workplaces under legislative provisions. Practitioners should be able to safely and correctly apply various specialised vehicle inspection facilities and equipment and conduct the basic maintenance procedure according to the instructions in the user guide provided by the manufacturer of facilities and equipment.
Level	3
Credit	3 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (Specialised facilities and equipment for vehicle inspection) • Understand the structure and basic operating principles of the specialised facilities and equipment for statutory vehicle inspection. • Master the function and application of the specialised facilities and equipment, including the care procedures and safety precautions. • Understand the maintenance procedures in the manufacturer's user guide of specialised facilities and equipment. 2. Performance (Apply and maintain the specialised facilities and equipment for vehicle inspection) • Apply specialised facilities and equipment for statutory vehicle inspection according to relevant requirements on environmental protection, occupational safety and health regulations and the instructions in the user guide, including but limited to: ◦ precision electrical and mechanical measuring equipment ◦ side-slip tester, vehicle lifting and supporting gears ◦ exhaust emission testers, such as gas analysers and opacimeters ◦ power dynamometer, tilt table ◦ headlamp aim aligner, photometric meter ◦ gas leakage detector, speedometer tester, roller brake testers and load simulator ◦ other related facilities and equipment • Conduct the basic maintenance procedures of various specialised facilities and equipment for vehicle inspection according to relevant requirements on environmental protection, occupational safety and health regulations and the associated maintenance guide. • Report to seniors for abnormalities in use and performance of specialised facilities and equipment timely.
Assessment Criteria	The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is: • Capable of mastering the functions and applications of various specialised facilities and equipment for vehicle inspection, as well as associated safety precautions;

	• Capable of correctly selecting and safely applying appropriate specialised facilities and equipment for statutory vehicle inspection according to relevant requirements on environmental protection, occupational safety and health regulations and the instructions in the user guide provided by the manufacturer of specialised facilities and equipment; • Capable of conducting the basic maintenance procedures for keeping the normal working condition of the specialized facilities and equipment according to relevant requirements of environmental protection, occupational safety and health regulations and the associated maintenance guide; and • Capable of reporting the abnormalities in use and performance of the specialised facilities and equipment in a timely manner.
Remark	The credit value of this unit of competency is set on the presumption that the practitioner concerned has already possessed general engineering knowledge.