

Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Vehicle Servicing

Title	Execute performance tests on vehicles
Code	108743L4
Range	This unit of competency is applicable to the engineering staff in the vehicle servicing and inspection departments. Practitioners should be able to execute performance tests on vehicles according to testing procedures and methods established by the organisation, so as to ascertain the serviceability of vehicles.
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Procedures for vehicle performance tests)</p> <ul style="list-style-type: none"> • Master the vehicle performance test procedures and methods established by the organisation. • Master specifications of vehicles and the standard parameters of performance tests (e.g. the manufacturer standard, approved international standard and respective regulations). • Master the operation, maintenance and calibration of various kinds of equipment for vehicle testing. <p>2. Performance (Execute vehicle performance test)</p> <ul style="list-style-type: none"> • Execute the performance test procedures and record all data in qualified workplace equipped with adequate facilities according to the characteristics and standards of various testing items, such as tests on: <ul style="list-style-type: none"> ○ braking efficiency ○ vehicle body tilt ○ illumination and aim alignment ○ engine power and fuel consumption ○ exhaust emission ○ working noise ○ automatic shift • Review the efficiency of the testing procedures, such as, work flow, accuracy, human resources and compile report to make improvement suggestions on the testing or measuring methods for submission to seniors.
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"> • Capable of executing vehicle performance tests (including the preparation before the test, and environmental requirements) according to the testing procedures and methods established by the organization, and recording all relevant data for submission to senior engineering staff to ascertain the serviceability of vehicles; and • Capable of making improvement suggestions on the testing and measuring methods according to the efficiency of the testing procedures.
Remark	The credit value of this competency unit assumes that the practitioner has possessed a certain understanding of the structure of the car, the working principle of each system and diagnosis.