Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Servicing

Title	Dismantle and repair the Wireless Fidelity (Wi-Fi), General Packet Radio Service (GPRS) and various sensors for electrified vehicles
Code	111717L3
Range	This unit of competency is applicable in vehicle service workshops. Practitioners should be able to dismantle and repair Wi-Fi, GPRS and various sensors for electrified vehicles safely according to the instructions in the corresponding vehicle manufacturer's service manual and the relevant requirements on environmental protection, occupational safety and health regulations. They should also be able to conduct basic tests on the components, and provide work report upon completion of work.
Level	3
Credit	6 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (Wi-Fi, GPRS and various sensors for electrified vehicles) • Understand the structures, working principles and operation of the Wi-Fi, GPRS and various sensors for electrified vehicles. • Identify the dismantling and repair procedures according to the instructions in the corresponding vehicle manufacturer's service manual or relevant information. • Master the use of special service tools and equipment to dismantle and repair the Wi-Fi, GPRS and various sensors for electrified vehicles. • Familiar with the relevant legal requirements on road and vehicle safety, and environmental protection. 2. Performance (Dismantle and repair the Wi-Fi, GPRS and various sensors for electrified vehicles) • According to the instructions in the corresponding vehicle manufacturer's service manual and the requirements of occupational safety and health as well as that of environmental protection, dismantle and repair the Wi-Fi, GPRS and various sensors for electrified vehicles safely, including: ◦ Accurately identify the common faults and symptoms of the components by visual inspection and functional test ◦ Test the operation and effectiveness of the components or systems using special service tools. ◦ Rectify the typical component/system faults. • Conduct performance and safety inspection after the work and provide work report focusing on: ◦ Abnormalities ◦ Measured data ◦ Major decisions

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 dismantling and repairing the Wi-Fi, GPRS and various sensors for electrified vehicles safely according to the instructions in the corresponding vehicle manufacturer's service manual and the relevant requirements on environmental protection, occupational safety and health regulations; and • Capable of conducting functional tests on components/systems, and providing work report upon completion of work.
Remark	The credit value of this unit of competency is set on the presumption that the practitioner concerned already possesses good knowledge of the construction and operation of electrified vehicles. The practitioner concerned should be a recognised competent person in electric-drive vehicles, such as a registered vehicle mechanic who has completed an electric vehicle – low voltage training course, or equivalent. The major ordinance involved in this unit of competency is as follows: • Relevant ordinances to the Road Traffic (Construction and Maintenance of Vehicles) Regulations (This UoC replaced 108694L2)