Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Servicing

Title	Master the vehicle body welding
Code	111732L3
Range	This unit of competency is applicable in vehicle body repair workshops and body assembly workshops. Practitioners should be masterly able to understand welding techniques (including Oxyacetylene Welding/ cutting an, MIG/TIG and Spot) according to working instructions and the vehicle manufacture's servicing manual (included electrified vehicle) and the relevant requirements on environment, occupational safety and health regulations. Providing written reports after the work.
Level	3
Credit	3 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (Vehicle body welding) 2. Be familiar with the standard requirement of the workpiece set by the vehicle manufacturer (including electrified vehicle). • Master the welding process ◦ Oxyacetylene Welding ◦ Arc Welding ◦ MIG/TIG ◦ Spot • Master about flaws commonly found in welding seams, such as: ◦ Burning through ◦ Slag inclusion ◦ Air hole. • Be familiar with the relevant legal requirements on road and vehicle ◦ safety and environment protection. 3. Performance (Vehicle body welding) • Select suitable welding equipment according to the requirement • of workpiece; establishing welding procedure and safety ◦ measures. ◦ Prepare workpieces, such as align mating parts and protect • other portions of the vehicle (especially for electrified vehicle) • being affected by welding. ◦ Carry out the welding process and provide written report after • the work.
Assessment Criteria	The integrated outcome requirements of this unit of competence are that the practitioner being assessed shall prove that he/she is: • Capable of mastering the hazards caused by the welding ◦ process and relevant rules of safety; and

	▪ Capable of correctly selecting suitable welding equipment to carry ◦ Out welding process; and ▪ Capable of conducting inspection welding seams and rectifying the ◦ flaws upon completion of work.
Remark	The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed the skills of using general welding equipment and the basic knowledge of vehicle body structure. The re levant ordinances/rules involved in this unit of competence are as follows: • Factories and Industrial Undertakings (Gas Welding and Flame • Cutting) Regulations ◦ Code of Practice - Safety and Health at Work for Gas Welding and • Flame Cutting ◦ Code of Practice - Safety and Health at Work for Manual Electric • Arc Welding (This UoC replaced 108644L2)