Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Servicing

Title	Master the techniques of blending
Code	111714L3
Range	This unit of competency is applicable in vehicle body painting workshops. Practitioners should be masterly able of conduct colour mixing, matching and blending according to working instructions and the vehicle manufacturer's servicing manual and the relevant requirements on environment, occupational safety and health regulations. Providing written report after the work.
Level	3
Credit	3 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (Colour mixing, painting materials and spraying guns) • Understand basic colour theory and the principle of colour mixing. • Understand the user instructions / data sheet of painting materials. • Be familiar with the characteristics and operating principles of various kinds of spraying guns. • Be familiar with the difference between the techniques of blending paint and ordinary spray painting. • Understanding of the relevant legal requirements on road and vehicle safety and environment protection. 2. Performance (Carry out the work of colour mixing, colour matching and blending paint) • Carry out the work of colour mixing and colour matching according to the instructions in the vehicle manufacturer's manual and the relevant requirements on environment, occupational safety and health regulations, such as: ◦ Paint mixing ◦ Spray testing and colour checking ◦ Tinting adjustment ◦ Colour matching ◦ Spray gun adjustment ◦ Adjust air pressure to control the colour • Apply blending paint technique to the work piece. • Check the working procedure to ensure that the requirements of the factory are met. • Provide written report focusing on: ◦ Abnormalities ◦ Major decision
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 accurately conducting the procedure for paint mixing according to the painting formula provided by the vehicle manufacturer and the colour of the vehicle; • Capable of correctly adjusting the spraying gun to conduct blending paint according to working instructions or the instructions in the vehicle manufacturer's servicing manual and the relevant

	requirements on environment, occupational safety and health regulations; and • Capable of conducting inspection to ensure that the requirements of the factory are met according to working instructions or the instructions in the vehicle manufacturer's servicing manual and providing written report after the work.
Remark	The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed the capability to handle the painting process and safely operate general painting tools and instruments. (This UoC replaced 108712L3)