Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Inspection and Prosecution

Title	Investigate the causes of the vehicle accident
Code	111650L4
Range	This unit of competency is applicable in designated vehicle examination workplaces under legislative provision. Practitioners should be able to professionally inspect the accidental vehicle to identify the failure of vehicle system or components leading to an incident.
Level	4
Credit	3 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (Structure and operating principles of various vehicle types) • Conversant with the structure and operating principles of various vehicle types and categories. • Master the legislative provision under the Road Traffic Ordinance of Hong Kong in relation to vehicle construction and maintenance to determine the compliance of vehicle structure and operating systems with statutory requirements. • Acquainted with the effects of degraded performance of vehicle systems on roadworthiness and safety of vehicle operation. • Good understanding of the requirements for court document submission. 2. Performance (Inspection of accident vehicles) • According to the relevant regulations and guidelines, professionally conduct roadworthiness inspection of accidental vehicles to identify defects and failures in vehicle systems, such as brakes, steering, suspension, tires, driving controls, etc., that would affect the performance and safety of the vehicle and cause the accident. • Based on expertise and experience, distinguish whether the damaged components identified on the accidental vehicle were incurred from the accident or pre-existing, according to the signs of damage. • Write expert reports on the inspection results of accidental vehicles, illustrating the defects and failures that would affect the performance and safety of the vehicles and cause accidents, to provide professional evidence for the prosecution in court.
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 inspecting the roadworthiness and mechanical fitness of various types of accidental vehicles to identify the defects and failures in vehicle systems that lead to the incidents according to relevant regulations and guidelines; • Capable of distinguishing whether the damaged components identified on the accidental vehicle were incurred from the accident or pre-existing, according to the signs of damage; and • Capable of writing an expert report on the inspection result of the accidental vehicle, illustrating the defects and failures that led to the accident, to provide professional evidence for the prosecution in court.

Remark	The credit value of this unit of competency is set on the presumption that the practitioner concerned already possesses extensive knowledge and experience of vehicle engineering and good report-writing skills.