

Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Corporate Management

Title	Assess the risks of accident at work within the workplace
Code	108563L5
Range	This unit of competency is applicable to the management level of different servicing workshops and warehouses of the automotive industry. Practitioners should be able to assess the risks of accident at work during daily operation at the workplaces to safeguard the interest of the organisation.
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (The risks of the workplaces)</p> <ul style="list-style-type: none"> • Master the details of the daily operation in one's workplace and the risks involved. • Good understanding of standard risk analysis methods such as <ul style="list-style-type: none"> ○ HAZOP (Hazard of Operability), ○ QRA (Quality Risk Assessment), ○ FMEA (Failure Modes and Effects Analysis) ○ FTA (Fault Tree Analysis) • Good understanding of respective occupational safety and health, environmental protection as well as labour regulations; and understand the responsibilities of employers and employee. <p>2. Performance (Conduct risk assessment)</p> <ul style="list-style-type: none"> • Analyse the details of the operation in the workplace and list out the potential hazard and risks such as traffic accident at the workshop, accidents involving the vehicle lifting equipment, leakage of dangerous chemicals, fire and certain working procedure e.g. welding, painting, etc.; assess the probability and consequences of individual potential danger as well as the loss and hazard it will cause. • Set the order of priority; list out the issues that need to be handled; make suggestions for improvement; and assist in establishing emergency and contingency measur.s • Analyse the operating details of the workplace, list out the potential failure modes such as vehicle damages, inventory loss, damages on essential equipment, computer failure, etc.; assess the probability and consequences of the risk and the loss involved; review existing management system and make suggestions for improvement when necessary. • Choose suitable risk assessment pattern to conduct data analysis according to all accidents and operation failure cases; find out the causes of frequent accidents and complete risk assessment report.
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are that the practitioners being assessed shall prove that he/she is:</p> <ul style="list-style-type: none"> • Capable of fully understanding the details of the operation in one's workplace; listing out potential hazard and failure operation modes; assessing the probability and consequences of the risks and the loss involved; • Capable of setting the order of priority; listing out the potential risks that need to be handled; making suggestions for improvement; and • Capable of analyzing all accidents and operation failure cases to find out the causes of frequent accidents and completing risk assessment report.
Remark	The relevant legislations involved in this unit of competency are as follows:

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	<ul style="list-style-type: none">• Occupational Safety and Health Ordinance• Factories and Industrial Undertakings Ordinance
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