

Specification of Competency Standards
for the Arboriculture & Horticulture Industry
Unit of Competency

Functional Area - Occupational Safety and Health for the Arboriculture and Horticulture Industry

Title	Operate chainsaws at ground level
Code	109050L2
Range	This unit of competency is applicable to frontline staff who are engaged in the operation of chainsaws at ground level in the arboriculture and horticulture industry. Practitioners should master the skills of operating chainsaws at ground level, and the inspection and maintenance procedures of chainsaws, so as to use chainsaws properly to perform duties at ground level according to the established safety rules.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to operating chainsaws at ground level</p> <ul style="list-style-type: none"> • Comprehend the techniques, procedures and safety rules for using different types of chainsaws properly • Comprehend the working principles, assembly and disassembly methods, and inspection procedures of chainsaws • Comprehend the mechanical structure and safety devices of chainsaws • Comprehend the methods and techniques for starting and stopping chainsaws • Comprehend the potential hazards of operating chainsaws to the operators and the surrounding people • Comprehend the rebound force at the pressure points and tension points of a saw blade • Comprehend the types of personal protective equipment for operating chainsaws, their protection principles and donning methods • Comprehend the methods and techniques for maintaining chainsaws <p>2. Operate chainsaws at ground level</p> <ul style="list-style-type: none"> • Choose the right types and sizes of chainsaws according to the job requirements • Use suitable personal protective equipment and check it before donning • Inspect every part and safety device of the chainsaws to ensure the chainsaws are functioning normally • Mix fuel suitable for the chainsaws according to manufacturers' instructions • Set up fuel refilling areas to carry out the procedures of refuelling and application of lubricating oil • Set up work areas and safety areas for operating chainsaws at ground level • Establish an effective communication system with support staff to ensure that messages can be delivered accurately • Start and stop chainsaws at ground level by following the correct procedures • Hold chainsaws with the correct postures and apply proper operation techniques to carry out work • Perform cleaning and maintenance procedures, and contact suppliers to replace worn parts when necessary <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Show the necessary awareness of safety when operating chainsaws
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Able to operate chainsaw at ground level in accordance with the correct procedures, operation techniques and safety rules to ensure the safety of the operators and others;

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	<ul style="list-style-type: none">• Able to inspect the mechanical parts and safety devices of chainsaws to ensure that the chainsaws are functioning normally before starting them; and• Able to establish an effective communication system with support staff to ensure that messages can be delivered accurately.
Remark	