

**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 height
Code	109051L2
Range	This unit of competency is applicable to frontline staff who are engaged in the operation of chainsaws at height in the arboriculture and horticulture industry. Practitioners should master the skills of operating chainsaws on elevated working platforms, and the inspection and maintenance procedures of chainsaws, so as to use chainsaws properly to perform duties on elevated working platforms 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 height</p> <ul style="list-style-type: none"> <li>• Comprehend the techniques, procedures and safety rules for using chainsaws on elevated working platforms</li> <li>• Comprehend the working principles, assembly and disassembly methods, and inspection procedures of chainsaws</li> <li>• Comprehend the mechanical structure and safety devices of chainsaws</li> <li>• Comprehend the methods and techniques for starting and stopping chainsaws on elevated working platforms</li> <li>• Comprehend the techniques of operating chainsaws on elevated working platforms and the potential hazards to the operators</li> <li>• Comprehend the rebound force at the pressure points and tension points of a saw blade</li> <li>• Comprehend the types of personal protective equipment for operating chainsaws at height, their protection principles and donning methods</li> <li>• Comprehend the methods and techniques for maintaining chainsaws</li> <li>• Comprehend the relevant safety guidelines for working on elevating work platforms, podium steps and ladders</li> </ul> <p>2. Operate chainsaws at height</p> <ul style="list-style-type: none"> <li>• Choose the right chainsaws for working on elevated working platforms according to the job requirements</li> <li>• Use suitable personal protective equipment and check it before donning</li> <li>• Inspect every part and safety device of the chainsaw to ensure that the chainsaw is functioning normally</li> <li>• Mix fuel suitable for the chainsaws according to manufacturers' instructions</li> <li>• Set up fuel refilling areas to carry out the procedures of refuelling and application of lubricating oil</li> <li>• Set up work areas and safety areas for operating chainsaws on elevated working platforms</li> <li>• Establish an effective communication system with ground support staff to ensure that messages can be delivered accurately</li> <li>• Start and stop chainsaws on elevated working platforms by following the correct procedures</li> <li>• Hold chainsaws with the correct postures and apply proper operation techniques to carry out work on elevated working platforms</li> <li>• Perform cleaning and maintenance procedures, and contact suppliers to replace worn parts when necessary</li> </ul>

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Assessment Criteria	The integrated outcome requirements of this unit of competency are: <ul style="list-style-type: none"><li>• Able to operate chainsaw on elevated working platforms in accordance with the correct procedures, operation techniques and safety rules to ensure the safety of the operators and others;</li><li>• Able to inspect the mechanical parts and safety devices of chainsaws to ensure that the chainsaws are functioning normally before starting them; and</li><li>• Able to establish an effective communication system with ground support staff to ensure that messages can be delivered accurately.</li></ul>
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