

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

Functional Area - Planting, Caring and Management of Plants

Title	Prepare work plans for tree removal
Code	109089L4
Range	This unit of competency is applicable to managers or technical personnel who are engaged in tree removal in the arboriculture and horticulture industry. Practitioners should be capable of mastering the methods of tree removal and the job requirements of related operations. They should also be able to prepare the corresponding work plans for tree removal in accordance with the environmental constraints, and the structure and health conditions of the trees.
Level	4
Credit	4 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to preparing work plans for tree removal</p> <ul style="list-style-type: none"> <li>• Comprehend the working procedures, standards, relevant technical knowledge and requirements of relevant guidelines for tree removal</li> <li>• Comprehend the treatment methods for removing different types of trees and the corresponding disposal methods</li> <li>• Comprehend the requirements of the tree removal operations</li> <li>• Possess knowledge of tree biology and the techniques for inspecting the health and structure of trees</li> <li>• Comprehend the requirements and constraints of different environment on tree removal, such as nearby wildlife habitat</li> <li>• Comprehend the personnel arrangement of tree removal operations, relevant qualification requirements, and allocation of tools and resources</li> <li>• Comprehend the relevant procedures for arranging temporary traffic measures and protection measures on the ground</li> <li>• Comprehend the hazard assessment, site safety measures and emergency procedures for tree removal operations</li> <li>• Comprehend the legislation and guidelines related to tree removal</li> </ul> <p>2. Prepare work plans for tree removal</p> <ul style="list-style-type: none"> <li>• Conduct field surveys on the work sites to assess the tree structure and the surrounding environment, such as the topography, nearby high-rise and underground public facilities, nearby wildlife habitat and protected plants on the trees</li> <li>• Plan corresponding measures in response to the environmental constraints on the tree removal operations, such as notifying the relevant organisations of the public facilities being affected and arranging professionals to help monitor the tree removal operations</li> <li>• Plan the felling direction of the trees and the safe escape routes</li> <li>• Select appropriate tree removal methods in regard to the environmental constraints and the tree structure</li> <li>• Develop the approaches for handling and disposing of wood chips</li> <li>• Develop the working procedures, working guidelines and safety codes for tree removal</li> <li>• Develop the work schedules, work objectives and quality objectives of work processes for tree removal operations</li> <li>• Plan appropriate transportation arrangements and protection measures on the ground according to the working space and the nearby road conditions, such as arranging transport equipment, temporary traffic measures and fencing off work areas</li> <li>• Plan corresponding manpower and resource allocation with regard to the sizes of the trees and the environmental constraints</li> <li>• Develop monitoring and assessment mechanisms for tree removal projects</li> </ul>

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	<p>3. Exhibit professionalism</p> <ul style="list-style-type: none"><li>Inspect the structure and health conditions of the trees and assess the necessity of removing the related trees to ensure public safety and control the spread of pests and diseases</li></ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"><li>Able to prepare the corresponding tree removal work plans in accordance with the job requirements, tree structure and environmental constraints;</li><li>Able to assess the environmental constraints on the tree removal operations and plan appropriate measures accordingly to ensure that the tree removal operations can be undertaken in a safe manner; and</li><li>Able to develop monitoring and assessment mechanisms for tree removal projects to ensure that the work progress and quality meet the specified requirements.</li></ul>
Remark	