

**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 pruning operations
Code	109098L4
Range	This unit of competency is applicable to managers or technical personnel who are engaged in tree pruning operations in the arboriculture and horticulture industry. Practitioners should be capable of mastering the methods of tree pruning and the job requirements of related operations. They should also be able to prepare the corresponding work plans for tree pruning operations in accordance with the environmental constraints and the structure and health conditions of trees.
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to preparing work plans for tree pruning operations</p> <ul style="list-style-type: none"> <li>• Comprehend the working procedures, standards, relevant technical knowledge and requirements of relevant guidelines for tree pruning operations</li> <li>• Comprehend the methods and opportune time for pruning different types of trees</li> <li>• Comprehend the requirements and objectives of the tree pruning operations</li> <li>• Possess knowledge of tree biology and the growth characteristics of different types of trees</li> <li>• Comprehend the requirements and constraints of different environment on tree pruning, such as nearby wildlife habitat</li> <li>• Comprehend the suitable distances between trees and buildings / public facilities</li> <li>• Possess knowledge of the different types of pruning tools and their areas of use</li> <li>• Comprehend the personnel arrangement of tree pruning 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> </ul> <p>2. Prepare work plans for tree pruning operations</p> <ul style="list-style-type: none"> <li>• Conduct field surveys on the work sites to assess 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 pruning operations, such as notifying the relevant organisations of the public facilities being affected and arranging professionals to help monitor the tree pruning operations</li> <li>• Inspect the structure and health conditions of the trees and assess the distances between the tree crowns and buildings / public facilities</li> <li>• Determine the extent of pruning and the opportune time for pruning based on the diagnosis results of pests and diseases, the distances to the buildings, and the structure and health conditions of the trees</li> <li>• Discuss with project leaders to develop suitable tree pruning plans according to the job requirements and inspection results</li> <li>• Plan suitable transportation arrangements and protection measures on the ground according to the working space and nearby road conditions, such as arranging transport equipment, temporary traffic measures and fencing off work areas</li> <li>• Develop the working procedures, working guidelines and safety codes for tree pruning operations</li> <li>• Develop the work schedules, work objectives and quality objectives of work processes for tree pruning operations</li> </ul>

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	<ul style="list-style-type: none"> <li>• Plan corresponding manpower and resource allocation with regard to the number of trees to be pruned and the project conditions</li> <li>• Develop monitoring and assessment mechanisms for tree pruning projects</li> </ul> <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Take into account public safety and the spread of pests and diseases</li> <li>• Be aware of the potential impact of pruning on trees and avoid excessive or unnecessary pruning</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 pruning work plans in accordance with the job requirements, structure of trees and environmental constraints;</li> <li>• Able to assess the environmental constraints on the tree pruning operations and plan appropriate measures accordingly to ensure that the pruning operations can be undertaken in a safe manner; and</li> <li>• Able to develop monitoring and assessment mechanisms for tree pruning projects to ensure that the work progress and quality meet the specified requirements.</li> </ul>
Remark	