

**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 protection operations
Code	109099L4
Range	This unit of competency is applicable to managers or technical personnel who are engaged in tree protection operations in the arboriculture and horticulture industry. Practitioners should be capable of mastering the methods of tree protection and the job requirements of related operations. They should also be able to prepare the corresponding work plans for tree protection operations in accordance with the environmental constraints and the structure 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 protection operations</p> <ul style="list-style-type: none"> <li>• Comprehend the working procedures, standards, relevant technical knowledge and requirements of relevant guidelines for tree protection operations</li> <li>• Comprehend the impact of the work plans and building arrangements on trees</li> <li>• Possess knowledge of tree biology, and the growth characteristics and structure of different types of trees</li> <li>• Comprehend the threats faced by the trees in the work areas</li> <li>• Possess knowledge of how to read the working drawings of the tree preservation plans</li> <li>• Comprehend the tree protection measures at different work stages</li> <li>• Comprehend the methods and criteria for determining the tree protection zones</li> <li>• Comprehend the personnel arrangement of tree protection operations, relevant qualification requirements, and allocation of tools and resources</li> </ul> <p>2. Prepare work plans for tree protection operations</p> <ul style="list-style-type: none"> <li>• Conduct field surveys on the work sites to assess the hazards of the work activities to tree growth</li> <li>• Identify the species of the trees and inspect the health and structure of the trees</li> <li>• Plan the protection zones the trees require according to the conditions of the work sites</li> <li>• Plan appropriate tree protection measures according to the work plans and building arrangements</li> <li>• Develop the working procedures, working guidelines and safety codes for tree protection operations</li> <li>• Develop the work schedules, work objectives and quality objectives of work processes for tree protection operations</li> <li>• Plan corresponding manpower and resource allocation with regard to the number of trees to be processed and the project conditions</li> <li>• Develop monitoring and assessment mechanisms for tree protection projects</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 analyse the potential hazards in the work sites, and the health and structure of the trees in order to prepare the corresponding tree protection work plans;</li> <li>• Able to determine the protection zones the trees require and plan the corresponding protection measures in accordance with the work plans and building arrangements, so as to allow the trees grow healthily; and</li> <li>• Able to develop monitoring and assessment mechanisms for tree protection projects to ensure that the work progress and quality meet the specified requirements.</li> </ul>

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Remark	
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