

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

Functional Area - Survey, Inspection and Risk Assessment

Title	Develop and evaluate proposals of tree protection, preservation, transplantation and removal
Code	109144L5
Range	This unit of competency is applicable to managers who are engaged in tree surveying and assessment work in the arboriculture and horticulture industry. Practitioners should be capable of mastering the protection measures of trees, and related legislation and guidelines. They should also be able to develop appropriate proposals of tree protection, preservation, transplantation and removal according to the requirements of the projects, and carry out relevant evaluation.
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to developing and evaluating proposals of tree protection, preservation, transplantation and removal</p> <ul style="list-style-type: none"> <li>• Comprehend the various values of trees and related considerations, such as ecology, economy, society and life cycle</li> <li>• Comprehend the impact of the works on trees</li> <li>• Comprehend the requirements of relevant legislation and guidelines on the protection, preservation, transplantation and removal of trees</li> <li>• Comprehend the tree information collected from tree surveys</li> <li>• Familiarise with the methods and application of different tree protection measures</li> <li>• Familiarise with the methods of transplanting and removing trees, and the success and failure factors</li> <li>• Know how to prepare proposals of tree preservation / conservation, transplantation and removal, and related working drawings</li> <li>• Comprehend the workflow of tree preservation, transplantation and removal, and its impact on the soil and the environment</li> </ul> <p>2. Develop and evaluate proposals of tree protection, preservation, transplantation and removal</p> <ul style="list-style-type: none"> <li>• Develop appropriate proposals of tree protection, preservation, transplantation and removal in accordance with the requirements of the works projects</li> <li>• Review the site plans and raise questions to relevant personnel</li> <li>• Develop plans for setting up tree protection zones on the work sites and the detailed work plans</li> <li>• Explain the rationale of transplantation, and evaluate the expected survival rate of the trees upon adaptation to the new environment, as well as the work plans, transportation arrangements, safety measures, maintenance plans after transplantation, etc.</li> <li>• Prepare tree protection, preservation, transplantation and removal proposals, and descriptions of the working drawings, and submit them to relevant departments for approval</li> <li>• With regard to trees of special value within or in the vicinity of the work areas, such as old and valuable trees, stonewall trees, and endangered or rare species of trees, evaluate the impact of the works on the relevant old trees in accordance with relevant legislation and guidelines, and provide additional details of the corresponding protection and preservation recommendations</li> <li>• Develop the work procedures for the tree protection / transplantation works in accordance with the work plans, site environment and resources</li> </ul>

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	<p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Have a full understanding of the legislation and guidelines related to tree protection, preservation, transplantation and removal to assist the organisation in proposing appropriate tree preservation / conservation plans</li> <li>• Seek help from the right people to study the proposals together</li> <li>• Refer to techniques used locally and overseas about tree protection and preservation, in preparation for introducing the most appropriate solutions for the organisation</li> </ul>
<p>Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Able to develop appropriate tree protection, preservation, transplantation and removal proposals according to the requirements of the projects, and carry out relevant evaluation; and</li> <li>• Able to prepare the work procedures for tree protection / transplantation / removal.</li> </ul>
<p>Remark</p>	