

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 transplanting
Code	109088L4
Range	This unit of competency is applicable to managers or technical personnel who are engaged in tree transplanting in the arboriculture and horticulture industry. Practitioners should be capable of mastering the methods of tree transplanting and the job requirements of related operations. They should also be able to prepare the corresponding work plans for tree transplanting and plan the caring measures after transplanting the trees in accordance with the health conditions of the trees and the constraints of the transplanting environment.
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to preparing work plans for tree transplanting</p> <ul style="list-style-type: none"> • Comprehend the working procedures, standards, relevant technical knowledge and requirements of relevant guidelines for tree transplanting • Comprehend the methods and points to note for transplanting different types of trees, such as the types of support and the ways to use them • Comprehend the requirements of the tree transplanting operations • Possess knowledge of tree biology and the techniques for caring for trees • Comprehend the constraints of different environment on tree transplanting, such as nearby public facilities • Comprehend the personnel arrangement of tree transplanting operations, relevant qualification requirements, and allocation of tools and resources • Comprehend the relevant procedures for arranging temporary traffic measures and protection measures on the ground • Comprehend the relevant legislation on road use and guidelines for lifting operations <p>2. Prepare work plans for tree transplanting</p> <ul style="list-style-type: none"> • Conduct field surveys on the work sites to assess the structure of the trees to be transplanted and the surrounding environment, such as the topography, and nearby high-rise and underground public facilities • Plan corresponding measures in response to the environmental constraints on the tree transplanting operations, such as notifying the relevant organisations of the public facilities being affected and arranging professionals to help detect underground public facilities • Inspect the structure and health conditions of the trees to verify the suitability of transplanting the trees • Develop appropriate tree transplanting plans and caring measures after transplantation in respect of the characteristics of the tree species and the planting locations • Estimate the weights of the trees to be transplanted so as to arrange suitable lifting tools • Plan suitable transportation arrangements and protection measures on the ground according to the working space of the transplanting environment and nearby road conditions, such as arranging lifting routes, transport equipment, temporary traffic measures and fencing off work areas • Develop the working procedures, working guidelines and safety codes for tree transplanting • Develop the work schedules, work objectives and quality objectives of work processes for tree transplanting operations

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	<ul style="list-style-type: none"> • Plan corresponding manpower and resource allocation with regard to the sizes of the trees and the environmental constraints • Develop monitoring and assessment mechanisms for tree transplanting projects • Plan the caring arrangements and protection measures after transplanting the trees
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Able to prepare the corresponding tree transplanting work plans in accordance with the job requirements, types of trees and environmental constraints; • Able to assess the environmental constraints on the tree transplanting operations and plan appropriate measures accordingly to ensure that the transplanting operations can be undertaken in a safe manner; • Able to develop monitoring and assessment mechanisms for tree transplanting projects to ensure that the work progress and quality meet the specified requirements; and • Able to plan the caring arrangements and protection measures after transplanting the trees to ensure the structural safety of the trees.
Remark	