

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 planting
Code	109087L4
Range	This unit of competency is applicable to managers or technical personnel who are engaged in tree planting in the arboriculture and horticulture industry. Practitioners should be capable of mastering the methods of tree planting and the job requirements of related operations. They should also be able to prepare the corresponding work plans for tree planting and plan the caring measures after planting the trees in accordance with the characteristics of the planting environment and the types of tree seedlings.
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to preparing work plans for tree planting</p> <ul style="list-style-type: none"> • Comprehend the working procedures, standards, relevant technical knowledge and requirements of relevant guidelines for tree planting • Comprehend the methods and points to note for planting different types of trees, such as the types of support and the ways to use them • Comprehend the requirements of the tree planting operations • Possess knowledge of tree biology • Comprehend the methods of planting tree seedlings and the caring measures after planting • Comprehend the types of prefabricated underground planting components and the key points in using them • Comprehend the requirements and constraints of different environment on tree planting, such as nearby public facilities • Comprehend the personnel arrangement of tree planting 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 planting</p> <ul style="list-style-type: none"> • Discuss with various stakeholders to confirm the species of trees to be planted and their functional requirements • Conduct field surveys on the work sites to assess the planting environment, such as the topography, soil quality, soil thickness, soil type, and nearby high-rise and underground public facilities • Plan corresponding measures in response to the environmental constraints on the tree planting operations, such as notifying the relevant organisations of the public facilities being affected and communicating with other professionals to determine the underground supporting facilities required for the planting operations • Analyse the suitability of the planting environment and adopt measures to improve the planting environment if necessary • Plan the planting operations according to the job requirements and the planting environment • Plan related transportation arrangements and protection measures on the ground according to the working space of the planting environment and nearby road conditions, such as arranging lifting routes, transport equipment, temporary traffic measures and fencing off work areas

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	<ul style="list-style-type: none"> • Develop the working procedures, working guidelines and safety codes for tree planting • Develop the work schedules, work objectives and quality objectives of work processes for tree planting operations • 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 planting projects • Plan the caring arrangements and protection measures after planting the trees <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Adopt new techniques in the work plans in regard to the development of the industry to enhance the tree planting standard
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 planting work plans in accordance with the job requirements, stakeholders' opinions and analysis results of the planting environment; • Able to assess the environmental constraints on the tree planting operations and plan appropriate measures accordingly to ensure that the planting operations can be undertaken in a safe manner; • Able to develop monitoring and assessment mechanisms for tree planting projects to ensure that the work progress and quality meet the specified requirements; and • Able to plan the caring arrangements and protection measures after planting the trees to ensure the structural safety of the trees.
Remark	