

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

Functional Area - Plant Selection, Cultivation and Propagation

Title	Perform plant selection
Code	109067L3
Range	This unit of competency is applicable to technical personnel who are engaged in plant selection work in the arboriculture and horticulture industry. Practitioners should master the knowledge of plant cultivation, and be capable of analysing the compatibility of the selected plants with the planting sites according to the needs of the design, as well as collecting information on the plant supply market to carry out plant selection processes.
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to performing plant selection</p> <ul style="list-style-type: none"> • Possess the skills and knowledge of identifying plants • Comprehend the characteristics and environmental requirements of different plant species and their mutually beneficial factors • Comprehend the impact of different environments on plant growth, such as soil structure and characteristics, growth space above and below ground, drainage capacity, prevailing wind, microclimate and sunlight • Keep up to date with the plant supply market • Comprehend the planting solutions of the organisation and the related job requirements • Comprehend the roles and functions of trees in the wild or urban forest <p>2. Perform plant selection</p> <ul style="list-style-type: none"> • Review the job requirements, planting solutions (for example, design plans), planting sites and functions • Work with project leaders and stakeholders to set the direction of plant selection • Analyse the compatibility of the selected plants with the planting sites, and the restrictions • Collect relevant information on the plant supply market and identify suitable plants in the market for cultivation • Prepare the specifications of the suitable plants or preparation plans of the nursery stock according to the collected and analysis results • Report on the implementation of the plant selection plans to the project leaders <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Make suggestions to the project leaders on growing alternative plants when necessary (for example, in case of insufficient supply)
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Able to analyse the plant species suitable for cultivation in accordance with the job requirements and the environment of the planting sites to assist in the plant selection processes; and • Able to collect the latest information on the plant supply market and identify suitable plants in the market for cultivation, so as to prepare the specifications of the suitable plants or preparation plans of the nursery stock.
Remark	