

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

Functional Area - Survey, Inspection and Risk Assessment

Title	Assess the distribution of rare and endangered plants
Code	109136L4
Range	This unit of competency is applicable to technical personnel who are engaged in plant surveying in the arboriculture and horticulture industry. Practitioners should be capable of mastering the knowledge of rare and endangered plants and their ecology. They should also be able to assess the distribution of rare and endangered plants through the analysis of information and data collected from plant surveys.
Level	4
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> <li>1. Possess knowledge related to assessing the distribution of rare and endangered plants <ul style="list-style-type: none"> <li>• Possess knowledge of local rare and endangered plants and their ecology</li> <li>• Comprehend the legislation, standards and knowledge related to nature conservation</li> <li>• Possess knowledge of local natural ecosystems and various types of ecological environments</li> <li>• Comprehend the application of plant surveys and the related knowledge</li> </ul> </li> <li>2. Assess the distribution of rare and endangered plants <ul style="list-style-type: none"> <li>• Consolidate the information and data on rare and endangered plants collected from surveys</li> <li>• Identify the rare and endangered plants within the area of the surveys based on consolidated information and data</li> <li>• Assess the distribution of the rare and endangered plants based on the identification results</li> <li>• Analyse the origin of the rare and endangered plants and their development</li> </ul> </li> <li>3. Exhibit professionalism <ul style="list-style-type: none"> <li>• Refer to and make use of local and overseas research studies on rare and endangered plants to enhance the professional level of the identification of rare and endangered plants</li> </ul> </li> </ol>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Able to consolidate the information and data on rare and endangered plants collected from surveys, and make identification;</li> <li>• Able to employ professional knowledge to assess the distribution of rare and endangered plants; and</li> <li>• Able to analyse the origin of rare and endangered plants and their development.</li> </ul>
Remark	