

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

Functional Area - Survey, Inspection and Risk Assessment

Title	Carry out tree inspection using visual tree assessment and simple assisting tools
Code	109145L3
Range	This unit of competency is applicable to personnel who are engaged in tree inspection and risk assessment in the arboriculture and horticulture industry. Practitioners should be capable of carrying out tree inspection using visual tree assessment and simple assisting tools in accordance with the established tree inspection plans of the organisation. They should also be able to prepare inspection records for further assessment of tree risk.
Level	3
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to carrying out tree inspection using visual tree assessment and simple assisting tools</p> <ul style="list-style-type: none"> • Familiarise with the different procedures and levels of detail of tree inspection • Familiarise with the systematic approaches of tree inspection • Familiarise with the techniques and standards for carrying out tree inspection • Comprehend the limitations of visual inspection and the ways of improvement • Possess knowledge of tree biology, plant physiology, tree mechanics, defects in tree structure, tree health, pests and diseases of plants, etc. • Comprehend the pests / diseases and abiotic factors that cause plant and tree disorders • Possess knowledge of occupational safety and health • Familiarise with simple assisting tools for tree inspection • Possess knowledge of soil biology, chemistry and physics <p>2. Carry out tree inspection using visual tree assessment and simple assisting tools</p> <ul style="list-style-type: none"> • Carry out inspection systematically using visual tree assessment • Use simple tools to aid inspection • Take suitable samples from the trees and the environment for further analysis • Analyse the sites and their usage • Analyse the biological, chemical and physical conditions of the soil organisms • Analyse the growth environment and historical factors of the trees • Prepare tree inspection records systematically, including data, photos and samples • Provide preliminary assessment of the impact of pests and diseases on the trees <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Accurately observe and identify abnormalities in the tree structure or signs of health degradation • With regard to the abnormalities in the tree structure and signs of health degradation, select appropriate assisting tools to inspect the trees and record the tree inspection data systematically to ensure the accuracy of the tree inspection results • Ensure the safety of oneself and the public during the inspection process
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Able to inspect trees systematically using visual tree assessment and simple assisting tools; • Able to take samples of trees and the environment for in-depth inspection; and • Able to prepare tree inspection records and preliminary analysis of the impact of pests and diseases on the trees.

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Remark	
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