

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

Functional Area - Survey, Inspection and Risk Assessment

Title	Inspect the structural conditions of trees using instruments
Code	109146L3
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 inspecting the structural conditions of trees using suitable electronic instruments in accordance with the work procedures of tree inspection. They should also be able to provide scanned images and data to help interpret and analyse the internal structural conditions of trees and the overall tree risk.
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to inspecting the structural conditions of trees using instruments</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 different electronic instruments for conducting tree inspection, and the techniques and standards for the application of related software • Possess basic knowledge of the structure and health conditions of trees • Possess knowledge of occupational safety and health in relation to tree inspection • Familiarise with the assisting tools for tree inspection <p>2. Inspect the structural conditions of trees using instruments</p> <ul style="list-style-type: none"> • Employ suitable electronic instruments to inspect the conditions of trees from ground level in accordance with the work procedures of tree inspection, for example, using sonic tomographs or resistographs, which drill into the tree body, to assess the degree of decay • Submit tree inspection records, scanned images and data to superiors for analysis <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Compare with the computer images and data of trees at the same location taken in the past, and report the differences to superiors
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Able to choose and apply suitable electronic instruments and software properly for tree inspection; and • Able to submit accurate scanned images and data to superiors for analysis.
Remark	