



Australian Government

AHCARB603 Interpret diagnostic test results

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to interpret diagnostic test results and evaluate and critique the testing methods and results.

This unit applies to individuals with broad theoretical and technical knowledge of a specific area or a broad field of work and learning and cognitive, technical and communication skills to demonstrate autonomy, judgement and defined responsibility in undertaking complex work within broad parameters to provide specialist advice and functions.

The role involves the self-directed application of specialised knowledge in tree anatomy, physiology, pathology, tree dynamics and the edaphic environment with substantial depth in areas such as diagnostic tool application methods and analysis of diagnostic test results.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Arboriculture (ARB)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Compile diagnostic tool knowledge requirements	1.1 Compile a portfolio of sample reports of diagnostic test results 1.2 Compile peer reviewed papers on the use of each diagnostic tool 1.3 Review the diagnostic tool specifications and user manuals 1.4 Research output ranges for each diagnostic tool

Element	Performance criteria
	1.5 Identify key thresholds and benchmarks 1.6 Determine suitability of tool selection for purpose of test
2. Analyse the data and testing methods	2.1 Identify and evaluate testing methods used 2.2 Assess relevance, benefits and limitations of methodology used 2.3 Determine assumptions used 2.4 Determine currency of the equipment, software or system used 2.5 Access raw data and testing evidence where available 2.6 Verify data relevance and accuracy 2.7 Review references cited in the report 2.8 Record non-conforming practices and treatments 2.9 Identify instances of incorrect application of diagnostic tools 2.10 Highlight unsupported statements and factual errors 2.11 Detail significant omissions, errors and ambiguities 2.12 Detail inconsistencies and errors of logic 2.13 Identify variances to specifications 2.14 Detail incorrect use of arboricultural terminology
3. Evaluate and critique test results	3.1 Assess the suitability of the testing process as fit for purpose 3.2 Analyse the test results 3.3 Compare evaluation with original interpretation 3.4 Consider and account for anomalies 3.5 Determine the validity of outcomes of original report 3.6 Develop substantiated positions to inform critical analysis of test results 3.7 Determine further testing required to verify or falsify results 3.8 Document feedback on original results
4. Prepare critique document the report	4.1 Compile the analysis 4.2 Review the completeness and accuracy of the analysis 4.3 Record analysis outcomes and rationale 4.4 Document the analytical processes 4.5 Provide alternative analysis and conclusion 4.6 Document critique in a report 4.7 Present report in agreed format and within agreed timelines

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

New unit - no equivalent.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>