



Australian Government

AHCARB802 Develop an urban forest management framework

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 develop an urban forest management framework incorporating the policy documentation and urban forest management planning.

This unit applies to individuals with advanced theoretical and technical knowledge and skills for professional or highly skilled work and/or further learning in one or more disciplines or areas of practice. This unit applies to individuals with advanced cognitive, technical and communication skills to provide specialist advice, analyse, generate and transmit solutions to complex problems, and to demonstrate autonomy, well-developed judgement, adaptability and responsibility as a practitioner or learner.

The role involves the self-directed application of knowledge in tree anatomy, physiology, pathology, tree dynamics and the edaphic environment with substantial depth in areas such as forest asset management, tree inventory and data analysis.

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

Pre-requisite Unit

AHCARB703 Research urban forest performance

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. Establish performance metrics and analyse	1.1 Research models of urban forest management 1.2 Establish the key performance metrics and outcomes to be

Element	Performance criteria
resources	assessed incorporating specific parameters from the client brief 1.3 Determine the data sets to be collected required for objectives of managing the resources and needs of stakeholders 1.4 Analyse urban forest resources 1.5 Determine agents and conditions affecting urban forest health 1.6 Analyse species spatially in target geographic areas using geographical information systems (GIS) as required 1.7 Determine canopy density targets
2. Determine urban forest asset value	2.1 Determine outcomes in social, environmental, public health, economic, and aesthetic terms 2.2 Determine asset value of single tree and forest based on value criteria of client and relevant benchmarks 2.3 Perform cost-benefit analysis of forest assets 2.4 Analyse variation in asset value within relevant variables
3. Review policy documentation	3.1 Analyse and review relevant policy documents for meeting performance metrics and desired outcomes 3.2 Determine statutory, liability and risk issues requiring consideration 3.3 Identify stakeholder requirements and perceptions 3.4 Evaluate the extent of impact and outcomes of proposed policy documents 3.5 Create policy determinations on tree assets and record as reports 3.6 Create and document urban forest management policy
4. Develop and document management plan	4.1 Develop appropriate conceptual framework for urban forest management 4.2 Develop street tree master plans as required 4.3 Set vision and objective statements 4.4 Determine quantifiable goals 4.5 Use tree inventory and mapping data management software as required 4.6 Establish and maintain inventories and databases 4.7 Develop implementation and operational plans 4.8 Develop and document an urban forest management plan

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 unit.

Links

Companion Volume implementation guides are found in VETNet -

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