



Australian Government

SISXRES507A Design and maintain the built environment

Release: 3

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Modification History

The release details of this endorsed unit of competency set are in the table below. The latest information is at the top.

Release	Comments
3	Reduction of repetition. No changes to competency outcome.

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to apply environmental principles to the design and maintenance of resources and facilities to maintain their aesthetic value.

Application of the Unit

This unit applies to those who work as operations managers or program managers who are responsible for planning, implementing and evaluating sport, fitness and recreation programs and activities with a focus on management of resources.

Licensing/Regulatory Information

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<p>Elements describe the essential outcomes of a unit of competency.</p>	<p>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.</p>
<p>1. Determine the existing aesthetic value of the built environment.</p>	<p>1.1. Identify design themes and zones within specific areas. 1.2. Prepare an inventory of <i>aesthetic elements</i> within the built environment.</p>
<p>2. Review civic aesthetic value and amenity against community expectations.</p>	<p>2.1. Undertake <i>consultation</i> to establish community expectations of aesthetic value of the built environment. 2.2. Determine the variation between community expectations and the current status of the built environment. 2.3. Determine community views on <i>strategies</i> to improve the built environment. 2.4. Determine potential options for improvement in the built environment according to relevant legislation.</p>
<p>3. Develop strategies to improve civic aesthetics and amenity.</p>	<p>3.1. Develop and prioritise strategies in response to <i>stakeholder</i> consultations. 3.2. Assess the extent of congruence between the strategies and organisational objectives. 3.3. Identify and document the ongoing costs of improving the built environment against perceived benefits. 3.4. Assess the feasibility of applying strategies to the various locations. 3.5. Establish criteria to determine the effectiveness of strategies.</p>
<p>4. Establish criteria to determine the effectiveness of strategies.</p>	<p>4.1. Communicate the strategies for developing an improved built environment to the community and other relevant stakeholders. 4.2. Identify and allocate staff and organisational responsibilities. 4.3. Implement and monitor selected strategies.</p>

ELEMENT**PERFORMANCE CRITERIA**

5. Review strategies.

- 5.1. Collect and assess information to identify if strategies reinforce or improve the aesthetics of a built environment.
- 5.2. Determine the level of acceptance of the strategies within the community.
- 5.3. Analyse cost data to assess the cost of applying strategies against benefits obtained.
- 5.4. Use information obtained during monitoring and review to modify strategies where required.

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- communication skills to:
 - consult and liaise with stakeholders and staff on the implementation of strategies to design and maintain the built environment
 - seek feedback on the effectiveness of strategies
- language and literacy skills to:
 - prepare and document an inventory of aesthetic elements
 - collect and analyse data to evaluate effectiveness of strategies
- numeracy skills to analyse ongoing costs and develop strategies within organisation budgets
- problem-solving skills to:
 - prioritise strategies
 - assess feasibility in relation to perceived benefits
 - select appropriate strategies
 - monitor and evaluate the effectiveness of strategies and modify strategies where appropriate
- planning and organising skills to plan, implement and evaluate strategies within appropriate timeframes and budgets and to allocate staff responsibilities.

Required knowledge

- legislation to enable the responsible and compliant design and maintenance of the built environment including environmental protection, tenure and local by-laws
- organisation policies and procedures to:
 - collect and use information responsibly
 - select consultation processes
 - evaluate, select, implement and evaluate strategies according to organisational objectives
- environmental planning principles to enable the responsible design and maintenance of the built environment
- research and analysis techniques to enable the collection and analysis of relevant data
- community needs, expectations and attitudes in relation to appropriate strategies to design and maintain the built environment
- interrelationships between the built environment and environmental requirements to enable the development of appropriate strategies to obtain a balance
- aesthetic value in relation to a specified built environment, with regard to historical, architectural and environmental contexts
- service and utilities infrastructure
- benefit and value derived from improving the built environment.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence of the ability to:

- undertake research, planning and consultation to develop, implement and evaluate strategies to improve the built environment consistent with community expectations and organisation and legislative requirements
- balance and prioritise existing directions determined by organisation objectives against community expectations.

Context of and specific resources for assessment

Assessment must ensure:

- the design and maintenance of a built environment which is of sufficient breadth to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- a built environment within an organisation's area of responsibility
- organisational policies, procedures and resources to undertake planning and implementation of the built environment
- relevant legislation impacting on the design and maintenance of built environments
- relevant stakeholders.

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- review of strategy to improve and maintain the built environment
- oral and or written questioning to assess knowledge of the value derived from improving the built environment
- portfolio containing evidence of processes to compile an inventory of aesthetic elements within the built environment
- third-party reports from a supervisor detailing appropriate work performed by the individual.

Guidance information for assessment

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example:

- SISXIND406A Manage projects.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Aesthetic elements may include:

- visual
- sensual
- aural
- tactile
- architectural
- historical
- environmental.

Consultation may include:

- personal contact
- surveys
- formal submissions
- professional advice.

Strategies may include:

- engineering improvements
- landscaping
- energy-efficient recreation facilities
- maintenance of parks and gardens
- aesthetic and visual improvements.

Stakeholders may include:

- residents
- visitors
- authorities
- travellers
- community organisations.

Unit Sector(s)

Cross-Sector.

Co-requisite units

Competency Field

Resource Management.