



Australian Government

CPPACC5006 Apply ergonomic principles to accessible building design and fitout

Release: 1

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Modification History

Release 1 This unit first released with CPP Property Services Training Package Release 14.0.

Supersedes and is equivalent to CPPACC5006A Apply ergonomic principles to accessible building design and fitout.

Unit updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to apply concepts associated with human movement, posture and body strength to the design of the environment in which people live and work. It includes using basic statistical techniques, ergonomic data and analysis to identify strategies for the design and fitout of accessible workplaces and living spaces for persons with disability. The design of accessible workplaces will maximise task sequencing to ensure body movements are efficient in terms of energy conservation.

This unit is for individuals who are self-directed and have substantial depth of knowledge and skills to make independent judgements in the provision of access consulting services.

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

Pre-requisite Unit

Nil.

Unit Sector

Access Consulting.

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Determine range of human posture and body strength values within a defined | 1.1 Accurately identify key working postures of the human body and apply to work activities. |
| | 1.2 Use appropriate methodology to measure key ergonomic features to determine the range of human posture and |

population.		body strength values within a defined population.
	1.3	Record ergonomic data in a format suitable for retrieval and statistical analysis according to workplace requirements.
2 Compare ergonomic data in architectural design documents with data derived through measurement of a defined population.	2.1	Source ergonomic data used in published architectural design documents.
	2.2	Compare and verify published architectural design data against recent ergonomic data derived through measurement of a defined population.
	2.3	Analyse ergonomic data that proves different to published architectural design data to assess the extent and possible causes of differences.
3 Apply the principles of ergonomics to the design of workplaces.	3.1	Analyse work processes undertaken in various locations to determine economical task sequencing in consultation with relevant persons.
	3.2	Work with relevant persons to locate the most essential elements in proximity to support functionality.
4 Identify and report critical ergonomic features impacting the ability of a person with disability to work and function independently.	4.1	Consult with client to determine level of functioning of person with disability.
	4.2	Consult with client and use appropriate ergonomic methodology to identify ergonomic features relevant to the person with disability and their ability to work and function independently.
	4.3	Recognise situations requiring specialist advice and seek assistance as required to meet client requirements.
	4.4	Consult with relevant persons to identify appropriate strategies for design and fitout that will maximise the ability of the person with disability to work and function independently.
	4.5	Report outcomes to relevant persons according to client and workplace requirements.

Foundation Skills

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

Unit Mapping Information

Supersedes and is equivalent to CPPACC5006A Apply ergonomic principles to accessible building design and fitout.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>