



Australian Government

CPPACC5007 Apply mechanics of human body functions 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 CPPACC5007A Apply mechanics of human body functions 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 anatomy, body function and the functional limitations that result from impairment of the musculoskeletal, visual and auditory systems to the design of accessible environments. It includes analysing accessibility design data for mobility, wayfinding and communication with data for associated functional impairments in a defined population to identify any differences and the possible causes and extent of those differences.

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 the level of impairment in human anatomy and body function within a | 1.1 Accurately identify key functional systems of the human body and apply to work activities. |
| | 1.2 Select appropriate terminology for describing impairment of key body functions. |

defined population.	1.3	Identify and document the relationship between impairment, disability and handicap.
	1.4	Record the extent of impairment in a defined population in a format suitable for retrieval and statistical analysis according to workplace requirements.
2 Analyse the impact of anatomical and functional impairment of the musculoskeletal system on the mobility needs of a defined population and consequences for accessible design.	2.1	Assess published accessibility design data for mobility against anatomical and functional impairment of the musculoskeletal system data for its ability to meet the mobility needs of the defined population.
	2.2	Compare data on anatomical and functional impairment of the musculoskeletal system for a defined population with published accessibility design data to identify any differences in mobility needs.
	2.3	Identify the extent and possible causes of difference between the defined population and published accessibility design data for mobility.
3 Analyse the impact of anatomical and functional impairment of the eye and vision system on the wayfinding needs of a defined population and consequences for accessible design.	3.1	Assess published accessibility design data for wayfinding against anatomical and functional impairment of the eye and vision system data for its ability to meet the wayfinding needs of the defined population.
	3.2	Compare data on anatomical and functional impairment of the eye and vision system for a defined population with published accessibility design data to identify any differences in wayfinding needs.
	3.3	Identify the extent and possible causes of difference between the defined population and published accessibility design data for wayfinding.
4 Analyse the impact of anatomical and functional impairment of the ear and auditory system on the communication needs of a defined population	4.1	Assess published accessibility design data for communication against anatomical and functional impairment of the ear and auditory system data for its ability to meet the communication needs of the defined population.
	4.2	Compare data on anatomical and functional impairment of the ear and auditory system for a defined population

and consequences for
accessible design.

with published accessibility design data to identify any
differences in communication needs.

- 4.3 Identify the extent and possible causes of difference
between the defined population and published
accessibility design data for communication.

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 CPPACC5007A Apply mechanics of human body functions to accessible building design and fitout.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>