



Australian Government

CPCWC3004 Install suspended ceilings

Release: 5

CPCCWC3004 Install suspended ceilings

Modification History

- Release 5 Updated reference to general construction induction training program.
- Release 4 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.6.
Change to Knowledge Evidence.
- Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.2.
Correction to prerequisite unit code from CPPWHS2001 Apply WHS requirements, policies and procedures in the construction industry to CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Updated to reflect current industry terminology, tools and equipment.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 2.0.

Application

This unit of competency specifies the skills and knowledge required to install exposed and concealed suspended ceilings.

It includes setting out and installing ceiling suspension systems and installing lining material.

A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without close supervision.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

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

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

Unit Sector

Construction

Elements and Performance Criteria

Elements describe the essential outcomes.

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

- | | |
|------------------------------|--|
| 1 Plan and prepare. | 1.1 Read and interpret work instructions and plan sequence of work. |
| | 1.2 Plan all work to comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, and workplace requirements. |
| | 1.3 Select and use personal protective equipment (PPE) for each stage of the task. |
| | 1.4 Inspect work site, assess hazards and apply risk controls, including required signage and barricades. |
| | 1.5 Select tools and equipment, check for serviceability and report any faults that may affect the safe operation of the equipment, tag equipment and set aside. |
| | 1.6 Select materials required for task, calculate quantities, handle safely and prepare and position ready for use. |
| 2 Install suspension system. | 2.1 Set out ceiling grid and alignment levels for ceiling. |
| | 2.2 Fix suspension rods to underside of soffit and structural members with masonry anchors, bolts and screws at prescribed centres. |
| | 2.3 Assemble suspended framework and connect to suspension rods. |
| | 2.4 Fasten suspension system, check for looseness and rattles, and secure as required. |
| | 2.5 Fix bridging framework to both sides of service ducts to support suspension system. |

- | | | | |
|---|---------------------------|-----|--|
| 3 | Install lining materials. | 3.1 | Install lining materials according to design pattern set out in job drawings. |
| | | 3.2 | Cut edges of lining materials and conceal to match pre-finished edges. |
| | | 3.3 | Provide openings and penetrations as shown in job drawings. |
| | | 3.4 | Fix trims and beads at junctions with other building elements and surfaces. |
| | | | |
| 4 | Clean up. | 4.1 | Clear work area and dispose of, reuse or recycle materials. |
| | | 4.2 | Clean, check, maintain and store tools and equipment in accordance with manufacturers' specifications. |

Foundation Skills

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

Unit Mapping Information

Supersedes and equivalent to CPCCWC3004A Install suspended ceilings

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCWC3004 Install suspended ceilings

Modification History

- Release 5 Updated reference to general construction induction training program.
- Release 4 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.6.
Change to Knowledge Evidence.
- Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.2.
Correction to prerequisite unit code from CPPWHS2001 Apply WHS requirements, policies and procedures in the construction industry to CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Updated to reflect current industry terminology, tools and equipment.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 2.0.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by installing:

- one exposed suspended ceiling of minimum area of 10 square metres
- one concealed suspended ceiling of minimum area of 15 square metres.

Each of the suspended ceilings must include grid and support wires or rods, and a penetration to accommodate one or more of the following fittings:

- an air duct
- an exhaust system
- a support column or beam.

All work must be performed to the standard required in the workplace and must comply with Commonwealth and state/territory laws and regulations, national construction codes, Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, and workplace requirements.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- compliance requirements of the National Construction Code and Australian Standards for installing suspended ceilings
- quality policies and standards for installing suspended ceilings
- safety requirements for installing suspended ceilings, including personal protective equipment (PPE), job safety analyses, safe work method statements and safety data sheets
- environmental requirements for installing suspended ceilings
- methods to mitigate risks of seismic movement when installing suspended ceilings
- processes for reading and interpreting plans, drawings and specifications used when installing suspended ceilings
- suspended ceiling installation techniques and processes, including:
 - alignment levelling
 - anchors and bolts
 - droppers and suspension rods
 - furring channels
 - main beams, rails and runners
 - spacer bars
 - tracks and main tracks
 - reinforced concrete ceiling and floor slabs
 - steel ceiling and rod framing
 - timber and steel floor
 - timber ceiling and rod framing
- suspended ceiling materials and their preparation and applications, including:
 - fibre cement sheeting
 - infill panels, including:
 - acoustic
 - decorative timber
 - metal
 - two-pack
 - insulation materials
 - plasterboard
 - suspended ceiling components
- techniques for calculating material requirements for installing suspended ceilings
- types of tools and equipment for installing suspended ceilings.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed:

- in the workplace or a close simulation of the workplace environment, provided that simulated or project-based assessment techniques replicate construction workplace conditions, materials, activities, responsibilities and procedures
- using realistic tasks or simulated tasks, relevant specifications and work instructions, standard work practices, safety requirements and environmental constraints.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>