



Australian Government

CPCCLSF3001 Licence to erect, alter and dismantle scaffolding intermediate level

Release: 3

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Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 8.0.
Change to the Application of the unit.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCCLSF3001A Licence to erect, alter and dismantle scaffolding intermediate level. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to safely perform intermediate scaffolding work.

Scaffolding work involves erecting, altering or dismantling a temporary structure to support a platform from which a person or object could fall more than four metres.

This unit applies to scaffolding work involving:

- cantilevered crane loading platforms
- cantilevered scaffolds
- spur scaffolds
- barrow ramps and sloping platforms
- scaffolding associated with perimeter safety screens and shutters
- mast climbing work platforms
- tube and coupler scaffolds (including tube and coupler covered ways and gantries).

Scaffolding work is undertaken in construction and other industries where temporary structures are erected, altered and dismantled.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

This unit has a pre-requisite requirement. This requirement may be met by either the successful completion of the unit *CPCCLSF2001 Licence to erect alter and dismantle scaffolding basic level* or holding a valid licence for basic scaffolding.

Competence in this unit does not in itself result in a licence. A licence is obtained after competence is assessed under applicable Commonwealth, state or territory work health and safety (WHS) regulations.

Pre-requisite Unit

CPCCLSF2001 Licence to erect, alter and dismantle scaffolding basic level

Unit Sector

Licencing

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 task.

- 1.1 Review task instructions, consult with relevant persons to seek clarification as required, and obtain relevant workplace information.
- 1.2 Obtain and interpret information, including safe work method statements (SWMSs), required to ensure that activities are performed in compliance with workplace-specific and safe work requirements.
- 1.3 Obtain and interpret information required to ensure that equipment inspection, use, maintenance and storage complies with manufacturer requirements.
- 1.4 Identify workplace and task-specific hazards and determine required risk controls and safety measures and equipment, including signs and barricades, personal protective equipment (PPE), and fall prevention and fall arrest equipment.
- 1.5 Identify methods of moving and placing tools, equipment and materials to minimise the risk of falling objects, to avoid inappropriate carrying on ladders and to minimise hazardous manual tasks.
- 1.6 Identify required scaffold and associated equipment.
- 1.7 Calculate loads exerted on and by the scaffold and scaffolding equipment.
- 1.8 Establish required communication methods with relevant persons.

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| 2 | Select and inspect plant and equipment. | 2.1 | Select risk-control equipment, including fall prevention and fall arrest equipment, and check that it is working and fit for purpose. |
| | | 2.2 | Select and check PPE. |
| | | 2.3 | Inspect scaffold and associated equipment for defects, and isolate, tag out, report and record defective items. |
| | | 2.4 | Select communication equipment and check that it is working and fit for use. |
| | | | |
| 3 | Set up task. | 3.1 | Establish and maintain communication with relevant persons to ensure task plan and risk controls are communicated clearly, including any impact on other workplace activities. |
| | | 3.2 | Ensure risk controls and safety measures and equipment have been put in place, including the fitting, adjusting and anchoring of fall protection equipment. |
| | | 3.3 | Consult with relevant persons to ensure that ground and foundation have been assessed as suitable for task. |
| | | 3.4 | Prepare footings to support scaffold and scaffold equipment. |
| | | 3.5 | Prepare scaffold and scaffold equipment, and place in a stable position ready for erection. |
| | | | |
| 4 | Undertake intermediate scaffolding activities. | 4.1 | Erect and dismantle scaffold and equipment while maintaining stability, in accordance with workplace and manufacturer requirements. |
| | | 4.2 | Erect and dismantle cantilevered crane loading platforms. |
| | | 4.3 | Erect and dismantle cantilevered scaffolds. |
| | | 4.4 | Erect and dismantle spur scaffolds. |
| | | 4.5 | Erect and dismantle barrow ramps and sloping platforms. |
| | | 4.6 | Erect and dismantle scaffolding associated with |

- perimeter safety screens or shutters.
- 4.7 Erect and dismantle mast climbing work platforms.
 - 4.8 Erect tube and coupler scaffolds, including tube and coupler covered ways and gantries.
- 5 Complete task.
- 5.1 Remove excess materials from work area.
 - 5.2 Inspect completed scaffolding task for compliance with task requirements, complete handover certificate and forward to relevant persons, and complete and attach scaffold tag.
 - 5.3 Inspect scaffold and scaffold equipment for defects, and isolate, tag out and report defective items.
 - 5.4 Store scaffold and scaffold equipment in accordance with workplace requirements.
 - 5.5 Remove risk controls and safety measures and equipment.

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 CPCCLSF3001A Licence to erect, alter and dismantle scaffolding intermediate level.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCLSF3001 Licence to erect, alter and dismantle scaffolding intermediate level

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Performance Evidence

To demonstrate competency in this unit, a candidate must meet the elements and performance criteria by safely erecting, altering and dismantling the following:

- cantilevered and spurred scaffold
- barrow ramp or sloping platform
- tube and coupler scaffold of at least four medium duty bays long and two lifts high with a working platform of at least 4 m in height with a ladder access. It must have a cantilevered platform at the rear of the scaffold and include a ramp constructed with steel tube from the rear of the scaffold to a height of 1 m and a width of at least 675 mm, and include handrails, toe boards and mid rails; all planks must be secured
- cantilevered crane-loading platform
- mast climbing work platform.

The candidate must also produce a tube and coupler scaffold plan in accordance with Australian Standards, demonstrating the following:

- diagonal staggering of standards
- staggering of ledgers
- joins of ledgers within 300 mm of standards
- joins of standards within 300 mm of ledgers
- positioning of ledgers.

The candidate must:

- check relevant workplace information, including safe work method statements (SWMSs) and equipment service and maintenance records and checklists

- perform all activities in compliance with workplace-specific requirements, safe work requirements and manufacturer requirements, including the completion of any required handover certificates and scaffold tags
- identify hazards and use appropriate risk controls and safety measures and equipment
- use the following associated gear and stability equipment:
 - planks
 - flexible steel wire rope (FSWR) and fittings
 - ladders
 - tie tubes and fittings
 - fibre rope
 - tape measures
 - scaffold belts
 - hand tools
 - levels
 - sole plates and boards
 - screw jacks
 - props
 - bracing.

Knowledge Evidence

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

- safe work requirements for scaffolding under Australian Standards, Commonwealth and state or territory work health and safety (WHS) legislation, regulations and codes of practice, and local government regulations
- workplace information, including legislative requirements covered by:
 - SWMSs
 - permits and certifications
 - information about equipment:
 - service and maintenance checklists and records
 - manufacturer and supplier specifications and manuals
 - workplace procedures, including emergency plans and incident reporting
- hazard identification and mitigation strategies, including the hierarchy of control:
 - elimination
 - substitution
 - isolation
 - engineering controls
 - administrative controls
 - use of personal protective equipment (PPE)
- hazards commonly encountered in scaffolding activities:
 - instability of work areas

- damaged or poor-quality equipment
- overhead and underground hazards
- electrical items
- mobile plant
- insufficient lighting
- wind and other adverse weather conditions
- traffic
- pedestrian traffic
- hazardous manual tasks
- falling objects
- falls from heights
- minimum clearance distance for scaffolding work from powerlines and electrical equipment as determined by the relevant state or territory authority or electrical supply authority
- risk controls and equipment:
 - establishment of safe and adequate access and egress
 - adequate illumination
 - traffic barricades and control
 - pedestrian barricades
 - safety harness
 - energy absorber
 - lanyard
 - inertia reel
- PPE:
 - hard hat
 - safety boots
 - gloves
 - high-visibility clothing
 - breathing, hearing, sight and skin (sun) protection
- application, limitation, operation, load capabilities and safety requirements of:
 - cantilevered crane loading platforms
 - cantilevered scaffolds
 - spur scaffolds
 - barrow ramps and sloping platforms
 - scaffolding associated with perimeter safety screens and shutters
 - mast climbing work platforms
 - tube and coupler scaffolds, including tube and coupler covered ways and gantries
- dimensions of scaffold, maximum capacities and types of loads:
 - static loads
 - live loads

- dead loads
- dynamic loads
- load capacities and minimum dimensions for light duty, medium duty, heavy duty and special duty scaffolds
- engineering and supplier specifications
- mathematical processes for estimating loads for scaffolds
- design of tube and coupler scaffolding
- types and functions of associated equipment, including selection, inspection, care, handling, application, storage and limitations of:
 - scaffolding components and equipment
 - independent adjustable props
 - mast climbers
 - safety screens and shutters
 - planks
 - FSWR and fittings
 - ladders
 - tie tubes and fittings
 - fibre rope
 - stairways and screening
 - box spanners
 - hammers
 - tape measures
 - scaffold belts
 - podgers
 - wire nips
 - wrenches
 - torpedo levels
 - shovels
 - spanners
 - cutters
 - hammer drills
- stability equipment and processes:
 - sole plates and boards
 - screw jacks
 - levelling
 - ties
 - bracing and propping
- relevant persons:
 - other scaffolders
 - doggers and riggers

- designers and engineers
- supervisors
- ground and foundation suitability:
 - rough and uneven ground
 - backfilled ground
 - soft soils
 - hard compacted soil
 - rock
 - bitumen
 - concrete
- workplace policies and procedures for scaffolding:
 - erecting, altering and dismantling scaffolds
 - manufacturer requirements for scaffolding
 - working safely at heights
 - setting up fall prevention and fall arrest systems, including safety nets
 - interpreting structural charts and structural plans.

Assessment Conditions

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

Only assessors who are accredited in the licence class by the appropriate WHS regulator for the jurisdiction where the licence is obtained are permitted to conduct the final high-risk work licence assessment. The final licence assessment will only be undertaken with candidates who have completed training and been formally assessed against all elements in this unit.

Assessment must be conducted in the workplace or in a simulated workplace environment using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations, including:

- the use of full-scale, industry-standard equipment, not simulators
- performance of tasks within the timelines expected in a workplace
- participation of the candidate in activities within a team of three to five members.

Candidates must have access to:

- all personnel and equipment required to perform the tasks specified in the Performance Evidence
- workplace information and records, including:
- equipment and maintenance checklists
- record system for service and maintenance history
- reporting procedures
- workplace procedures, including SWMSs and emergency plans
- equipment manuals and manufacturer specifications
- relevant plant supplier information.

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