



Australian Government

CPCCLHS3002 Licence to operate a materials hoist

Release: 2

CPCCLHS3002 Licence to operate a materials hoist

Modification History

Release 2 Updated reference to general construction induction training program.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCLHS3002A Licence to operate a materials hoist. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to safely operate a materials hoist, that is, a hoist consisting of a car, bucket or platform cantilevered from and travelling up and down the external face of the support of a structure, which is used for hoisting goods and materials but not persons.

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.

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

Nil.

Unit Sector

Licensing

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.
 - 1.5 Calculate load weight, check that it is within the working load limit (WLL) of the hoist and distribute it in accordance with manufacturer requirements.
 - 1.6 Establish required communication methods with relevant persons.
 - 1.7 Review emergency procedures in consultation with relevant persons.
- 2 Select and prepare equipment.
 - 2.1 Put risk controls and safety measures and equipment in place in consultation with relevant persons.
 - 2.2 Access hoist safely.
 - 2.3 Visually check hoist for damage and defects.
 - 2.4 Carry out pre-start checks, including checking the hoist logbook and controls.
 - 2.5 Carry out operational checks, including testing hoist safety devices and checking for fire extinguisher and other emergency equipment.
 - 2.6 Ensure hoist is operating correctly and is free of obstructions.
 - 2.7 Check communication equipment, lighting and alarm systems to make sure they are working and fit for use.
 - 2.8 Conduct test run of hoist, check for abnormal noises and shut down, tag and report identified abnormalities as required.

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| | 2.9 | Isolate, report, tag out and record defective equipment. |
| 3 Conduct hoist operations. | 3.1 | Maintain communication with relevant persons during hoist operations and emergency situations. |
| | 3.2 | Operate loaded hoist in accordance with manufacturer requirements. |
| | 3.3 | Use and interpret communication signals. |
| | 3.4 | Conduct emergency lowering in accordance with manufacturer requirements. |
| 4 Shut down and secure hoist. | 4.1 | Shut down hoist in accordance with manufacturer requirements. |
| | 4.2 | Carry out shut-down checks. |
| | 4.3 | Isolate and secure power against unauthorised access. |
| | 4.4 | Report, tag out, isolate and record damages and defects. |

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 CPCCLHS3002A Licence to operate a materials hoist.

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 CPCCLHS3002 Licence to operate a materials hoist

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Performance Evidence

To demonstrate competency in this unit, a candidate must meet the elements and performance criteria by operating a materials hoist and conducting three lifts carrying loads of different weights. The hoist must be stopped at three different levels, including at least one floor.

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 safe work practices and workplace-specific procedures and policies
- check, use, maintain and store equipment in compliance with manufacturer requirements
- identify hazards and use appropriate risk controls and safety measures and equipment
- calculate load weights and confirm that they are within the capacity of the hoist
- check and use safety devices
- move load
- implement shut-down procedures.

Knowledge Evidence

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

- safe work requirements for operating a materials hoist crane under Australian Standards, and Commonwealth and state or territory work health and safety (WHS) legislation and codes of practice
- workplace information, including legislative requirements covered by:
 - SWMSs
 - safety data sheets (SDSs)
 - permits and certifications
 - information about equipment:

- service and maintenance checklists and records
 - manufacturer 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 hoist operations:
 - ground instability
 - obstructions
 - impact of other tasks being performed in the workplace
 - other plant
 - hoist overload
 - hazardous chemicals and dangerous goods
 - electrical hazards
 - insufficient lighting
 - hazardous manual tasks
 - damaged or poor-quality equipment
 - pedestrian traffic
 - wind and other adverse weather conditions
 - falling objects
 - falls from heights
- risk controls and equipment:
 - firefighting equipment
 - safety tags on electrical switches and isolators
 - traffic barricades and controls
 - pedestrian barricades and controls
 - hoist safety devices:
 - hoist safety gates and guards
 - hoist safety interlocks
 - adequate illumination
- testing and tagging requirements, and electrical hazards associated with power supply for hoists
- processes to prevent interference to and from radio equipment being used near a materials hoist
- PPE:
 - hard hat

- safety boots
- gloves
- high-visibility clothing
- breathing, hearing, sight, skin and sun protection
- relevant persons:
 - other hoist operators
 - riggers
 - maintenance personnel
 - supervisors
- communication equipment:
 - two-way radios
 - intercoms
 - bells
 - lights
- pre-start operational checks to ensure:
 - safe access and egress, including ground conditions
 - security and safe distance between tower ties
 - earth leakage protection of power supply
 - power leads are secured above ground level and not attached to scaffolds or building structure
 - tower guides are clean and free of rust and damage
 - signage is clearly displayed and legible
 - brakes and drive mechanism are in good working order
 - overhead protection
 - intercom and signalling systems are in good working order
 - barriers, fencing and gates are in place
 - lubrication has been applied where required
 - hoist rope, where used, is safe
 - sheaves and anchorage points are accessible
 - obstructions have been removed
 - loose gear and equipment have been removed
- processes for determining the weight of the load from labels, markings and load paperwork
- processes for identifying and interpreting the working load limit (WLL) of hoists
- routine problems encountered in the operation of a hoist, and inspection techniques and adjustments required for correction
- processes for responding to unplanned and unsafe situations, including equipment failure or loss of control and adverse weather conditions
- emergency and evacuation procedures, including fire procedures
- shut-down procedures:
 - position platform at designated parking level

- isolate power from control panel
- isolate and secure mains power supply
- remove key from control panel
- secure landing gates to prevent unauthorised access
- secure fencing and barriers around base to prevent unauthorised access
- hoist characteristics, capabilities and operation to suit loads of different shapes, sizes and weights.

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.

Candidates must have access to:

- a materials hoist capable of carrying loads of different weights and able to be stopped at three different levels, including at least one floor
- 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
 - incident reports
 - workplace procedures, including SWMSs, SDS and emergency plans
 - equipment manuals and manufacturer specifications
 - relevant plant supplier information.

Links

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