



**Australian Government**

# **CPCCLTC4002 Licence to operate a self-erecting tower crane**

**Release: 1**

# CPCCLTC4002 Licence to operate a self-erecting tower crane

## Modification History

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

Supersedes and is equivalent to CPCCLTC4002A Licence to operate a self-erecting tower crane. Updated to meet the Standards for Training Packages 2012.

## Application

This unit specifies the skills and knowledge required to safely operate a self-erecting tower crane.

Self-erecting cranes are common on small to medium-sized construction sites. They usually have a horizontal boom that folds out during erection and are usually operated by remote control rather than from a cabin. For licencing purposes, self-erecting tower cranes are a separate category to other types of tower crane.

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

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, including, where relevant, hazards associated with working at heights, and determine required risk controls and safety measures and equipment.
  - 1.5 Calculate load weight in consultation with relevant persons.
  - 1.6 Consult with relevant persons to confirm that load weight is within the rated capacity of the crane and the working load limit (WLL) of the lifting gear.
  - 1.7 Determine and inspect crane and load movement paths.
  - 1.8 Confirm implementation of and compliance with traffic management plan.
  - 1.9 Establish required communication methods with relevant persons.
  - 1.10 Establish and maintain communication with relevant persons to ensure lift plan and risk controls are communicated clearly, including any impact on other workplace activities.
- 
- 2.3 Safely access the area from which the crane will be operated.
  - 2.4 Test crane safety devices in accordance with workplace requirements.
  - 2.5 Carry out pre-start crane checks and shut down, tag out, report and record identified damage or defects, in accordance with safe work practices, workplace-specific procedures and policies, and manufacturer requirements.
  - 2.6 Check that crane logbook has been completed and signed, that it is correct for crane type and current

- compliance, and that any rectifications have been signed off.
- 2.7 Start crane, carry out operational checks, check for abnormal noises, smoke or fumes and shut down, tag out, report and record identified abnormalities, in accordance with safe work practices, workplace-specific procedures and policies, and manufacturer requirements.
- 3 Transfer load.
- 3.1 Position boom or jib and hook block over load as directed by licensed dogger.
- 3.2 Carry out test lift to allow for checks and adjustments to slinging to be made by licensed dogger.
- 3.3 Under the direction of a licensed dogger, transfer loads using appropriate crane movements.
- 3.4 Use radio and interpret hand and whistle signals to communicate with licensed dogger.
- 3.5 Lower and land load, allowing lifting gear to be disconnected.
- 4 Shut down and secure crane.
- 4.1 Apply hoist, trolley and travel brakes.
- 4.2 Shut down crane in accordance with manufacturer requirements.
- 4.3 Carry out routine shut-down checks, and secure crane and equipment against unauthorised access.
- 4.4 Safely exit the area from which the crane has been operated.
- 4.5 Report and record any damage or 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 CPCCLTC4002A Licence to operate a self-erecting tower crane.

## 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>