



**Australian Government**

# **Assessment Requirements for CPCCLRG3002 Licence to perform rigging intermediate level**

**Release: 1**

# Assessment Requirements for CPCCLRG3002 Licence to perform rigging intermediate level

## Modification History

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

Supersedes and is equivalent to CPCCLRG3002A Licence to perform rigging intermediate level. Updated to meet the Standards for Training Packages 2012.

## Performance Evidence

To demonstrate competency in this unit, a candidate must meet the elements and performance criteria by safely performing rigging tasks at an intermediate level, including:

- undertaking a multiple-crane lift of a load of at least 1 tonne and at least 4 m long
- one of the following:
  - adding and removing a tower crane section, or
  - adding and removing a crane lattice boom section, or
  - adding and removing a fly jib on a slewing mobile crane, or
  - erecting and dismantling a non-guyed tower
- installing and removing a three-panel structure, with each panel being at least 4 m high, at least 2 m wide and at least 1.5 tonnes
- using the following bends and hitches:
  - round turn
  - two half-hitches.

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, safe work and manufacturer requirements
- identify hazards and use appropriate risk controls and safety measures and equipment
- use the following associated gear:
  - tag lines
  - flexible steel wire rope (FSWR)
  - chains
  - wire and synthetic slings
  - shackles
  - wedge sockets

- eye bolts
- rope grips
- turnbuckles
- chain blocks
- sheaves
- spreader bars or lifting beams
- snatch blocks
- lifting clutches
- safely erect and dismantle structures and plant.

## Knowledge Evidence

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

- safe work requirements for rigging under Australian Standards, and Commonwealth and state or territory work health and safety (WHS) legislation, regulations, standards and codes of practice
- 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 rigging intermediate level:
  - 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 from powerlines or electrical equipment specific to mobile plant and scaffolding as determined by relevant state or territory authority or electrical supply authority
- risk controls and equipment:
  - traffic barricades and control
  - pedestrian barricades
  - PPE
  - adequate illumination
  - safety structures and screens
  - exclusion zones
- inspection, handling and storage of rigging structures and equipment, associated gear, and other required equipment:
  - rigging structures and equipment:
    - concrete tilt-up panels
    - non-guyed light towers
    - scaffolds
    - elevated work platforms
    - personnel box
    - cantilevered crane loading platforms
    - mast climbers
    - safety screens and shutters
    - cranes
  - associated gear:
    - power and manually operated lifting gear
    - lifting clutches
    - snatch blocks
    - tag lines
    - FSWR
    - chains
    - wire and synthetic slings
    - shackles
    - terminations
    - wedge sockets
    - eye bolts
    - beam clamps
    - pipe clamps
    - plate clamps

- wire rope grips
- turnbuckles
- rigging screws
- chain blocks
- lever blocks
- lever-action winches
- sheaves
- spreader bars
- lifting beams
- jacks
- levers
- skates
- wedges
- rollers
- beam trolley
- safety equipment:
  - safety harness
  - energy absorber
  - lanyard
  - inertia reel
  - static safety lines
- PPE:
  - hard hat
  - safety boots
  - gloves
  - high-visibility clothing
  - breathing, hearing, sight, skin and sun protection
- communication equipment:
  - two-way radios
  - whistles
- relevant persons:
  - doggers
  - riggers
  - load-shifting plant operators
  - engineers
  - supervisors
- ground and foundation suitability:
  - rough, uneven ground
  - backfilled ground
  - soft soils

- hard compacted soil
- rock
- bitumen
- concrete
- suspended concrete floors
- building roofs
- landings
- ground bearing pressure
- mathematical processes for estimating and measuring forces and loads for intermediate rigging
- techniques for making temporary connections by tying bends and hitches:
  - round turn
  - two half-hitches.

## 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
  - incident reports
  - workplace procedures, including SWMSs and emergency plans
  - equipment manuals and manufacturer specifications
  - relevant plant supplier information.

## 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>