



Australian Government

CPCCCM3002 Operate a truck-mounted loading crane

Release: 2

CPCCCM3002 Operate a truck-mounted loading crane

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 CPCCCM3002A Operate a truck mounted loading crane. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to safely and effectively operate a truck-mounted loading crane to load and unload building products delivered from suppliers to the construction site. It includes set-up, operation, control and shutdown of the crane.

This unit supports workers who safely and efficiently use a truck-mounted loading crane to handle construction materials and who would be expected to take responsibility for organising and completing these tasks with a high degree of self direction.

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.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in some states and territories. For further information, check with the relevant regulatory authority.

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 to | 1.1 Interpret work order and associated documentation and |
|-----------------------|---|

operate truck-mounted crane.		clarify requirements with relevant persons.
	1.2	Plan all work to comply with relevant legislation, regulations, standards, codes, work health and safety, environmental and workplace requirements.
	1.3	Select plant, tools and equipment required for work tasks, check for serviceability and rectify or report identified faults.
	1.4	Conduct calculations to ensure load mass does not exceed the working capacity of the crane and manufacturer limits.
	1.5	Select and fit personal protective equipment (PPE) appropriate for work activities.
2 Set up and operate truck-mounted crane.	2.1	Position truck at the designated drop-off point on a level operating surface.
	2.2	Activate crane and manoeuvre it to its operating position from its lockdown position.
	2.3	Check crane movements comply with requirements for safe crane operation.
	2.4	Prepare load for lifting in accordance with crane, truck and dogging requirements.
	2.5	Check that site is clear and safe to receive or dispatch the load.
	2.6	Manoeuvre load to position using controls in accordance with manufacturer requirements.
	2.7	Monitor load continually throughout its travels.
	2.8	Shut down crane and return it to its lockdown position.
3 Finalise operation of truck-mounted crane.	3.1	Complete documentation in accordance with workplace requirements.
	3.2	Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements.

- 3.3 Clean, check, maintain and store plant, tools and equipment in accordance with manufacturer and workplace requirements.

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 CPCCCM3002A Operate a truck mounted loading 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>

Assessment Requirements for CPCCCM3002 Operate a truck-mounted loading crane

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Performance Evidence

To demonstrate competency in this unit, a candidate must meet the elements and performance criteria by setting up and operating a truck-mounted loading crane involving loading and unloading at least two full loads of building and construction materials and products, and extending all functions of the crane to their maximum working capacity.

Knowledge Evidence

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

- workplace and regulatory requirements for operating a truck-mounted loading crane under applicable Commonwealth, state or territory work health and safety (WHS) legislation, Australian Standards and codes of practice:
- job safety and environmental analyses (JSEAs)
- safe work method statements (SWMSs)
- safety data sheets (SDSs)
- safety manuals and instructions for plant, tools and equipment
- signage and barricades
- environmental and worksite safety plans
- personal protective equipment (PPE)
- reporting problems
- processes for preparing loads for lifting in accordance with crane, truck and dogging requirements
- designs and functions of truck-mounted loading cranes
- safe truck-mounted crane operations:
 - boom up and down
 - operation of attachments
 - operation of outriggers

- slew left and right
- telescope in and out
- mathematical processes for ensuring load masses do not exceed the working capacity of the crane and manufacturer limits
- requirements for cleaning up work area, maintaining and storing plant, tools, equipment and materials, and for environmentally friendly waste management.

Assessment Conditions

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

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

Candidates must have access to:

- industry-standard equipment required to perform the tasks specified in the Performance Evidence
- appropriate workplace information and records, including policies, procedures and legislative requirements.

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