



Australian Government

Department of Education, Employment and Workplace Relations

PMCOPS261B Deliver concrete to site

Release: 1

PMCOPS261B Deliver concrete to site

Modification History

Unit Descriptor

This competency covers the efficient delivery of quality concrete to site by road using an agitator or similar.

In a typical scenario an operator delivers premix concrete to a customer. The operator is able to determine the product requirements from the production schedule and specifications. The operator typically works independently with frequent contact with the base plant. This competency is NOT intended to be used for the delivery of concrete within a site using mobile equipment or overhead cranes. **PMCSUP270A Move materials** should be used in these circumstances.

Application of the Unit

Licensing/Regulatory Information

Pre-Requisites

This unit **has** the prerequisite competencies of:
TDTC497C Drive heavy rigid vehicle (or such other relevant truck driving competency unit as may from time to time be required).

Employability Skills Information

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Charge concrete to agitator.	1.1 Check job requirements and charge right job to agitator
	1.2 Determine water requirements and add to mix
	1.3 Check any special batch requirements and take action required.

- 2 Deliver concrete.
 - 2.1 Check slump to procedures
 - 2.2 Deliver concrete within required time and without delay
 - 2.3 Position vehicle as required by safety needs and customer specifications
 - 2.4 Report breakdowns or lengthy delays en route
 - 2.5 Maintain product quality as per requirements and procedures.
- 3 Conform to site protocols.
 - 3.1 Check access to site with customer
 - 3.2 Assess site conditions and then drive off road in a manner suited to the conditions, load and site requirements
 - 3.3 Mix concrete on site as per quality requirements
 - 3.4 Discharge concrete as required by customer
 - 3.5 Clean agitator on site after negotiating this with customer
 - 3.6 Complete all records including addition of water.
- 4 Rectify routine problems.
 - 4.1 Identify the range of faults that can occur during the operation
 - 4.2 Determine and rectify fault causes in accordance with procedures/work instructions
 - 4.3 Identify and rectify equipment failure causes in accordance with procedures
 - 4.4 Make sure appropriate records and log books of equipment operations are maintained to meet procedures
 - 4.5 Identify non-routine problems and report to designated person.
- 5 Control hazards.
 - 5.1 Identify hazards from the job to be done
 - 5.2 Identify other hazards in the work area
 - 5.3 Assess the risks arising from those hazards

5.4 Implement measures to control those risks in line with procedures.

Required Skills and Knowledge

Evidence Guide

Evidence guide

Assessment context and methods

Assessment for this unit of competency will be on an operating plant. The unit will be assessed in as holistic a manner as is practical and may be integrated with the assessment of other relevant units of competency. Assessment will occur over a range of situations which will include disruptions to normal, smooth operation.

Simulation or case studies/scenarios may be required to allow for timely assessment of parts of this competency unit (eg, those parts of element 3 referring to dealing with customers). Simulation should be based on the actual plant and will include 'walk-throughs' of the relevant competency components. Simulations may also include the use of case studies/scenarios and role plays.

Critical aspects

Competence must be demonstrated in the ability to recognise situations requiring action and then in implementing appropriate corrective action. Consistent performance should be demonstrated. In particular look to see that:

concrete is delivered in full, on time and in specification

there are good relations with the customers

there is good liaison with the batching plant.

These aspects may be best assessed using a range of scenarios/case studies/what ifs as the stimulus, with a walk-through forming part of the response. The assessment activities should include responding to a range of problems.

Resource implications

Assessment will require access to an operating plant over an extended period of time, or a suitable method of gathering evidence of operating ability over a range of situations. A bank of scenarios/case studies/what ifs will be required as will a bank of questions which will be used to probe the reasoning behind the observable actions.

Other assessment advice

This unit may be assessed in conjunction with:

PMCSUP280A Manage conflict at work

PMCSUP281A Deliver customer service.

Individual enterprises may choose to add prerequisites and corequisites relevant to their processes.

Essential knowledge

Knowledge and understanding of the equipment sufficient to recognise problems and the appropriate action to be taken.

Knowledge of the enterprise's **procedures** and relevant regulatory requirements along with the ability to implement them within appropriate time constraints and in a manner relevant to the operation of the equipment.

Competence includes the ability to:

apply and/or describe:

relationship between mixing time/water cement ratio and product quality

importance of slump

quality procedures

handling techniques to maintain quality

communicate with customers
determine, and meet customer requirements
as is relevant to the practical operation of the equipment.

Key competencies

1	2	3	4	5	6	7
Collect, analyse & organise information	Communicate ideas and information	Plan and organise activities	Work with others & in teams	Use mathematical ideas and techniques	Solve problems	Use technology
2	1	X	1	1	1	1

Range Statement

Range of variables

Context

This competency unit includes:

determining and adding the correct amount of water taking into account required specification and moisture/water already in the mix
measurement of slump or similar tests
customer service and product knowledge
knowledge of relevant road rules and waste disposal requirements.

It does NOT include the driving of the truck (which is a prerequisite).

Typical problems include:

sites with poor access/unstable soil
transportation/site delays
site conflicts
disposal of agitator washings.

This competency includes the operation of all ancillary equipment and the operation of plant using PLCs where appropriate.

All operations are performed in accordance with standard procedures and work instructions.

Unit Sector(s)