



Australian Government

Assessment Requirements for CPCCCO3035 Assess and specify concrete supply requirements

Release: 1

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Modification History

Release 1.

Supersedes and equivalent to CPCCCO3035A Assess and specify concrete supply requirements.

The unit of competency was updated to the Standards for Training Packages 2012.

This version first released with CPC Construction, Plumbing and Services Training Package Version 4.0.

Performance Evidence

To demonstrate competency in this unit, a person must assess and specify concrete supply requirements for three different types of concreting projects, including a multi-storey building.

In doing this, the person must meet the performance criteria for this unit.

Knowledge Evidence

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

- jurisdictional work health and safety (WHS) and environmental legislation and regulations relating to assessing and specifying concrete supply requirements
- requirements of Australian Standards (AS) and the National Construction Code (NCC) relating to assessing and specifying concrete supply requirements
- workplace requirements for all aspects of assessing and specifying concrete supply requirements including interpreting work orders and reporting problems
- relevant AS, including:
 - AS 1379 Specification and supply of concrete
 - AS 2758 Aggregates and rock for engineering purposes
 - AS 3600 Concrete structures
 - AS 3972 Portland and blended cements
- concrete material, including:
 - normal class with strength grades in the range N20 to N50
 - special class with strength grades in the range S20 to S100
- concrete composition, including types and application of:
 - cement
 - aggregate
 - additives
- concrete specifications, including:

- required temperature of concrete
- slump-test measurement, including:
 - fit for purpose:
 - ramp or slope
 - slab
 - consistency with:
 - formwork
 - placement method
- processes for reviewing project plans and specifications to determine project concrete requirements
- delivery methods and their effect on the concrete material properties
- interpreting concrete specifications, including:
 - MPa
 - additives
 - material properties at time of site delivery
- takeoff and costing methods relative to project concrete materials
- methods of developing material delivery schedules, including:
 - time of delivery
 - volume
 - MPa
 - additives
 - site access point
- methods of specifying and placing orders for concrete materials.

Assessment Conditions

Assessors must satisfy the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- work sites and specifications for concreting tasks, including a multi-storey building
- appropriate documents, materials, tools, equipment and personal protective equipment currently used in industry
- computer, software, printer and internet connection
- requirements of appropriate sections of legislation and regulations
- relevant workplace policies and procedures.
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Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>