Australian Government

CPC40611 Certificate IV in Building and Construction (Specialist Trades)

Release 4

CPC40611 Certificate IV in Building and Construction (Specialist Trades)

Modification History

Revised qualification deemed equivalent to CPC40611

Core and elective units revised resulting in a number of unit identifier changes

Addition of the following units to elective unit list to correct their omission from the packaging rules, given their status as prerequisite to CPCCLRG4001A and CPCCLSF4001A respectively:

- CPCCLRG3002A Licence to perform rigging intermediate level
- CPCCLSF3001A Licence to erect, alter and dismantle scaffolding intermediate level

Version 4 of this qualification replaces superseded equivalent elective unit CPCCOHS1001A with CPCCWHS1001 Prepare to work safely in the construction industry

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Description

This qualification is designed to meet the needs of experienced tradespersons seeking to expand their skills in a diverse range of technical areas. The qualification also reflects the needs of tradespersons responsible for managing projects.

Occupational titles may include:

- Building manager and supervisor
- Heritage restorer
- Crane operator
- Rigger.

The qualification has core unit of competency requirements that cover common skills for the construction industry. An entry requirement for the Heritage restoration stream is completion of one of the following Certificate III qualifications or their equivalent:

- Bricklaying/Blocklaying
- Carpentry or Carpentry and Joinery
- Painting and Decorating
- Solid Plastering
- Stonemasonry (Monumental/Installation).

An entry requirement for the Refractory bricklaying stream is completion of the Certificate III in Bricklaying/Blocklaying or equivalent.

The construction industry strongly affirms that training and assessment leading to recognition of skills must be undertaken in a real or very closely simulated workplace environment and this qualification requires all units of competency to be delivered in this context.

Completion of the general induction training program specified by the National Code of Practice for Induction Training for Construction Work (ASCC 2007) is required before entering a construction work site. Achievement of unit CPCCOHS1001A covers this requirement.

Additional units of competency may be required to meet builder registration requirements in various States and Territories.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability skill	Industry/enterprise requirements for this qualification include:
Communication	• Participates in ensuring compliance with standards, regulations and policies • Communicates effectively with a range of relevant parties through a range of media • Articulates complex ideas clearly • Uses standard communication symbols • Interprets a range of complex and technical documents, including relevant regulatory, legislative, licensing and registration requirements, codes and standards, plans, drawings and specifications, schedules, load tables, orders, contracts, material safety data sheets and organisational policies and procedures • Analyses and evaluates records, reports and reference materials • Understands relevant definitions, terminology, symbols and language • Reports and records hazards and risks and project costs • Maintains and checks logs, records and documents • Prepares a range of documents, including work plans, file notes, drawings and sketches, heritage works safety management plans and heritage restoration work reports • Negotiates conflict and dispute resolution • Analyses a range of data, including company and stakeholder resource consumption and waste product volumes
Teamwork	• Discusses and agrees roles, responsibilities and requirements of project team members • Supervises and checks others' work, monitors work processes and ensures safe work practices • Identifies effective strategies for problem resolution within the project team • Seeks expert advice where appropriate • Works collaboratively with relevant stakeholders • Understands various stakeholders' roles • Relates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities

Employability skill	Industry/enterprise requirements for this qualification include:
Problem solving	• Performs various calculations relating to estimating resource acquisition and costs, drawing dimensions, comparisons of alternative water management systems, waste management minimisation strategies and thermal efficiency, rated capacity and working load limits • Examines tools and equipment prior to use for damage, missing components or other defects • Identifies and rectifies faults • Responds effectively to hazards, risks and emergencies • Analyses problems and applies appropriate remedial solutions • Performs test lift/shifts to ensure lift suitability • Resolves business disputes • Makes adjustments to processes and work plans to address problems that emerge during the heritage restoration • Devises approaches, implements and reflects on environmental and water, energy and resource efficiency management policies and procedures relevant to work site to improve environmental sustainability and shares alternative approaches as required
Initiative and enterprise	• Assesses thermal efficiency of buildings and reviews design solutions for effectiveness and compliance • Identifies opportunities for improved water management • Evaluates effective strategies for insulating structures • Develops waste management strategies and dispute resolution procedures • Assesses restoration possibilities • Identifies environmental and resource efficiency improvements, applies knowledge about resource use to organisational activities and customer service and develops resource efficiency tools
Planning and organising	• Participates in effective implementation of organisation's operational plans • Identifies location and nature of restoration work and prepares site prior to commencing work • Identifies and organises resource requirements and obtains supply information • Collects, analyses and organises workplace information and

Employability skill	Industry/enterprise requirements for this qualification include:
	data • Plans and organises inspections • Checks test certificates of materials to ensure materials meet refractory plan requirements • Plans and prepares for operation of tower crane and self-erecting tower crane
Self management	• Manages own performance to ensure required levels of service standards, work quality and professional competence • Manages work priorities and professional development • Uses feedback to improve own performance • Organises and completes daily work activities • Manages ongoing compliance with codes and standards
Learning	• Is open to new ideas and techniques • Seeks feedback on personal performance • Uses information effectively to improve work performance • Learns from colleagues as part of effective teamwork • Contributes to the learning of others by ensuring that workers are informed of required application of codes and standards
Technology	• Uses and operates a range of tools and equipment correctly and safely • Properly starts up, operates and shuts down equipment • Carries out pre- and post-operational checks on equipment and machines • Performs tools and equipment maintenance as required • Operates office equipment • Uses computer equipment and relevant software • Uses cameras

Packaging Rules

To achieve this qualification, the candidate must demonstrate competency in:

- 15 units of competency:
  - 4 common core units
  - all core units for one of the following streams:
    - heritage restoration (six units)
    - refractory bricklaying (two units)
    - crane operations (two units)
    - rigging (two units)
- elective units (number to take the total number of units completed to 15).

The elective units may be selected as follows:

- all electives may be selected from the list below
- two of the required number of elective units may be selected from a Certificate III, IV or Diploma qualification in another endorsed Training Package or within CPC08 Construction, Plumbing and Services Training Package, ensuring the industry context of the qualification is maintained.

Some units in this qualification may have prerequisite requirements, which must be met when packaging the qualification. Users are referred to the list of CPC08 units with prerequisite unit requirements available in this Training Package for this purpose.

Core units

Common

BSBOHS404B	Contribute to the implementation of strategies to control OHS risk
CPCCBC4004A	Identify and produce estimated costs for building and construction projects
CPCCBC4012B	Read and interpret plans and specifications
CPCCBC4034A	Apply codes and standards to building trade and services contracting

Heritage restoration stream

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CPCCBC4035A	Initiate the heritage works process
CPCCBC4036A	Prepare to undertake the heritage restoration process
CPCCBC4037A	Prepare drawings for heritage works
CPCCBC4038A	Prepare work plans for restoration work
CPCCBC4039A	Undertake the heritage restoration process
CPCCBC4040A	Prepare report for heritage restoration work

Refractory bricklaying stream

| CPCCBC4041A | Undertake preparations for refractory work |
| CPCCBC4042A | Construct a fire brick wall and arch using refractory materials |

Crane operations stream

| CPCCLTC4001A | Licence to operate a tower crane |
| CPCCLTC4002A | Licence to operate a self-erecting tower crane |

Rigging stream

| CPCCLRG4001A | Licence to perform rigging advanced level |
| CPCCLSF4001A | Licence to erect, alter and dismantle scaffolding advanced level |

Elective units

| BSBCUS301B | Deliver and monitor a service to customers |

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BSBWOR402A	Promote team effectiveness
BSBITU201A	Produce simple word processed documents
BSBITU202A	Create and use spreadsheets
BSBITU301A	Create and use databases
BSBMGT403A	Implement continuous improvement
BSBPMG404A	Apply quality management techniques
BSBPMG407A	Apply risk management techniques
BSBSMB401A	Establish legal and risk management requirements of small business
BSBWRT401A	Write complex documents
CPCCBC4019A	Apply sustainable building design principles to water management systems
CPCCBC4020A	Build thermally efficient and sustainable structures
CPCCBC4021A	Minimise waste on the building and construction site
CPCCBC4024A	Resolve business disputes
CPCCBC4025A	Manage personal work priorities and professional development
CPCCBC4043A	Operate a self-erecting tower crane
CPCCBC4044A	Operate a tower crane
CPCCBC4045A	Perform advanced rigging
CPCCBC4046A	Erect and dismantle advanced scaffolding
CPCCBC4047A	Quality assure fire-rated lining systems
CPCCBC4051A	Supervise asbestos removal
CPCCLRG3002A	Licence to perform rigging intermediate level
CPCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level
CPCCWHS1001	Prepare to work safely in the construction industry

CPCSUS4001A	Implement and monitor environmentally sustainable work practices
HLTHIR403C	Work effectively with culturally diverse clients and co-workers
TLILIC3006A	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)
TLILIC3008A	Licence to operate a slewing mobile crane (up to 20 tonnes)
TLILIC4009A	Licence to operate a slewing mobile crane (up to 60 tonnes)
TLILIC4010A	Licence to operate a slewing mobile crane (up to 100 tonnes)
TLILIC4011A	Licence to operate a slewing mobile crane (over 100 tonnes)

Custom Content Section

Not applicable.

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