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Project Brief 1\_ Certificate III in Carpentry September 2018

# Project Scope

On behalf of the Construction IRC, Artibus Innovation is reviewing and updating the following three qualifications and relevant CPC08 units of competency with a view to merging them into a new Certificate III in Carpentry.

Project Qualification Review:

The following qualifications are within the scope of the project.

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| * CPC30211 - Certificate III in Carpentry * CPC32011 - Certificate III in Carpentry and Joinery * CPC31511 - Certificate III in Formwork / Falsework |

# Project Summary

The requirement from the existing Certificate III in Carpentry for 22 core and 8 elective units has been retained, but the new qualification requires that those electives include a complete specialisation—commercial, formwork or residential. The bank of core units has been updated, on industry advice, to better reflect competencies that are core to carpentry work, with more optional or specialised competencies included in the elective pool.

**Proposed Qualification Mapping – Certificate III in Carpentry**

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| **Code and Title** | **CPC08 Construction, Plumbing and Services Training Package** | **Comments** | **Equivalency statement** |
| CPC3xx19 Certificate III in Carpentry | CPC30211 Certificate III in Carpentry  CPC32011 Certificate III in Carpentry and Joinery  CPC31511 Certificate III in Formwork/Falsework | Supersedes and is equivalent to:  CPC30211 Certificate III in Carpentry  CPC32011 Certificate III in Carpentry and Joinery  CPC31511 Certificate III in Formwork/Falsework. | E |

# Key points

**Certificate III in Carpentry**

This certificate provides a trade qualification for carpenters in residential and commercial workplaces setting out, manufacturing, constructing, assembling, installing and repairing products made using timber and non-timber materials.

**Proposed Packaging Rules:**

To achieve this qualification, competency must be demonstrated in 30 units. These are to consist of:

* 22 core units of competency

plus

* one of these specialist groups:
  + all 4 units from group A—Commercial
  + all 5 units from group B—Formwork
  + all 5 units from group C—Residential.

The remaining units can be selected from any group or from the general electives or up to 2 units from any other training package, if they contribute to a valid, industry-supported vocational outcome and do not diminish the AQF level of this qualification.

**Prerequisite units of competency**

Units with an asterisk have pre-requisites.

\* CPCCWHS2001 Apply WHS requirements, policies, and procedures in the construction industry.

\*\* CPCPCM2043 Carry out WHS requirements

\*\*\* CPCCCA3007 Construct pitched roofs

## Proposed Core Units

CPCCCA2002\* Use carpentry tools and equipment

CPCCCA2011\* Handle carpentry materials

CPCCCA2XXX Plan and perform measurements and calculations

CPCCCA2XXX Communicate and work effectively and sustainably (to be developed)

CPCCCM2008\* Erect and dismantle restricted height scaffolding

CPCCCA3001\* Carry out general demolition of minor building structures

CPCCCA3002\* Carry out setting out

CPCCCA3003\* Install flooring systems

CPCCCA3004\* Construct wall frames

CPCCCA3005\* Construct ceiling frames

CPCCCA3006\* Erect roof trusses

CPCCCA3007\* Construct pitched roofs

CPCCCA3008\* Construct eaves

CPCCCA3010 Install and replace windows and doors

CPCCCA3012\* Frame and fit wet areas fixtures

CPCCCA3017\* Install exterior cladding

CPCCCA3XXX Read and interpret carpentry plans and specifications

CPCCCA3XXX Install lining, panelling and moulding

CPCCCM2XXX\* Work safely at heights

CPCCCM3006 Carry out levelling operations

CPCCCO2013\* Carry out concreting to simple forms

CPCCWHS3001 Identify construction work hazards and select risk control strategies

## Group A – Carpentry Commercial

CPCCCA3014\* Construct and install bulkheads

CPCCCA3XXX Assemble partitions (to be developed)

CPCCCA3018\* Construct, erect and dismantle formwork for stairs and ramps

CPCCWC3004 Install suspended ceilings

## Group B – Carpentry Formwork

CPCCCA3XXX\* Erect and dismantle formwork for footings and slabs on the ground

CPCCCA3018\* Construct, erect and dismantle formwork for stairs and ramps

CPCCCA3019\* Erect and dismantle formwork to suspended slabs, columns, beams and walls

CPCCCA3020\* Erect and dismantle jump form formwork

CPCCCO3048\* Construct tilt panels on site

## Group C – Carpentry Residential

CPCCCA3XXX\* Erect and dismantle formwork for footings and slabs on the ground

CPCCCA3009\*\*\*Construct advanced roofs

CPCCCA3016\* Construct, assemble and install timber external stairs

CPCCCM3005 Calculate costs of construction work

CPCCWC3003\* Install dry wall passive fire-rated systems

## General Elective

BSBLDR403 Lead team effectiveness

CPCCBC4036 Prepare to undertake the heritage restoration process

CPCCBC4039 Undertake the heritage restoration process

CPCCCA3011\* Refurbish timber sashes to window frames

CPCCCA3022 Install curtain walling

CPCCCA3XXX Set up, operate and maintain explosive power tools

CPCCCM2010 Work safely on scaffolding above 2 meters

CPCCCM3001 Operate elevated work platforms up to 11 metres

CPCCDE3012 Encapsulate and remove asbestos

CPCCJN3001 Process materials to produce components using static machines

CPCCLSF2001 License to erect, alter and dismantle scaffolding basic level

CPCCPB3001\* Fix standard plasterboard wall sheets

CPCCPB3002\* Fix standard plasterboard ceiling sheets

CPCCSC2002\* Erect and dismantle basic scaffolding

CPCCSF2005\* Arc weld reinforcement steel

CPCCSF3002\* Carry out monostrand post-tensioning

CPCCSF3003\* Carry out multistrand post-tensioning

CPCCSF3004\* Carry out stressbar post-tensioning

CPCCSH3008\* Install internal shop walls and fixtures

CPCCWF3004\* Repair wall and floor tiles

CPCPCM2043 Carry out WHS requirements

CPCPCM2052\*\* Weld using oxy-acetylene

CPCPCM2053\*\* Weld using manual metal arc welding equipment steel

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

# Qualification Mapping Information

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| **CPC Construction, Plumbing and** | **CPC08 Construction, Plumbing and Services Training Packages** | **Comments** | **Equivalency Status** |
| CPC3xx19 Certificate III in Carpentry | CPC30211 Certificate III in Carpentry  CPC32011 Certificate III in Carpentry Joinery  CPC31511 Certificate III in Formwork/Falsework | Supersedes and equivalent to CPC30211 Certificate III in Carpentry, CPC32011 Certificate III in Carpentry and Joinery, and CPC31511 Certificate III in Formwork/Falsework. | TBD |

| **CPC Construction, Plumbing and Services Training Packages** | **CPC08 Construction, Plumbing and Services Training Packages** | **Comments** | **Anticipated Equivalency Status** |
| --- | --- | --- | --- |
| CPCCCA2002 Use carpentry tools and equipment | CPCCCA2002B Use carpentry tools and equipment | Supersedes and is equivalent to CPCCCA2002B Use carpentry tools and equipment.  Updated to the Standards for Training Packages. | E |
| CPCCCA2011 Handle carpentry materials | CPCCCA2011A Handle carpentry materials | Supersedes and is equivalent to CPCCCA2011A Handle carpentry materials.  Updated to the Standards for Training Packages. | E |
| CPCCCA2XXX Plan and perform measurements and calculations | New unit. | New unit. | NU |
| CPCCCA2XXX Communicate and work effectively and sustainably | New unit. | New unit. | NU |
| CPCCCM2008 Erect and dismantle restricted height scaffolding | CPCCCM2008B Erect and dismantle restricted height scaffolding | Supersedes and is equivalent to CPCCCM2008B Erect and dismantle restricted height scaffolding.  Updated to the Standards for Training Packages. | E |
| CPCCCA3001 Carry out general demolition of minor building structures | CPCCCA3001A Carry out general demolition of minor building structures | Supersedes and is equivalent to CPCCCA3001A Carry out general demolition of minor building structures.  Updated to the Standards for Training Packages. | E |
| CPCCCA3002 Carry out setting out | CPCCCA3002A Carry out setting out | Supersedes and is equivalent to CPCCCA3002A Carry out setting out.  Updated to the Standards for Training Packages. | E |
| CPCCCA3003 Install flooring systems | CPCCCA3003A Install flooring systems | Supersedes and is equivalent to CPCCCA3003A Install flooring systems.  Updated to the Standards for Training Packages. | E |
| CPCCCA3004 Construct wall frames | CPCCCA3004A Construct wall frames | Supersedes and is equivalent to CPCCCA3004A Construct wall frames.  Updated to the Standards for Training Packages. | E |
| CPCCCA3005 Construct ceiling frames | CPCCCA3005B Construct ceiling frames | Supersedes and is equivalent to CPCCCA3005B Construct ceiling frames.  Updated to the Standards for Training Packages. | E |
| CPCCCA3006 Erect roof trusses | CPCCCA3006B Erect roof trusses | Supersedes and is equivalent to CPCCCA3006B Erect roof trusses.  Updated to the Standards for Training Packages. | E |
| CPCCCA3007 Construct pitched roofs | CPCCCA3007C Construct pitched roofs | Supersedes and is equivalent to CPCCCA3007C Construct pitched roofs.  Updated to the Standards for Training Packages. | E |
| CPCCCA3008 Construct eaves | CPCCCA3008B Construct eaves | Supersedes and is equivalent to CPCCCA3008B Construct eaves.  Updated to the Standards for Training Packages. | E |
| CPCCCA3012 Frame and fit wet areas | CPCCCA3012A Frame and fit wet areas | Supersedes and is equivalent to CPCCCA3012A Frame and fit wet areas.  Updated to the Standards for Training Packages. | E |
| CPCCCA3017 Install exterior cladding | CPCCCA3017B Install exterior cladding | Supersedes and is equivalent to CPCCCA3017B Install exterior cladding.  Updated to the Standards for Training Packages. | E |
| CPCCCA3XXX Install windows & doors | New unit. | New unit. | NU |
| CPCCCA3XXX Read and interpret carpentry plans and specifications | New unit. | New unit. | NU |
| CPCCCA3XXX Install lining, panelling and moulding | New unit. | New unit. | NU |
| CPCCCM3006 Carry out levelling operations | CPCCCM3006 Carry out levelling operations | Supersedes and is equivalent to CPCCCM3006 Carry out levelling operations.  TBD | E |
| CPCCCO2013 Carry out concreting to simple forms | CPCCCO2013A Carry out concreting to simple forms | Supersedes and is equivalent to CPCCCO2013A Carry out concreting to simple forms.  Updated to the Standards for Training Packages. | E |
| CPCCCA3014 Construct and install bulkheads | CPCCCA3014A Construct Bulkheads | Supersedes and is equivalent to CPCCCA3014A Construct Bulkheads.  Updated to the Standards for Training Packages. | E |
| CPCCCAXXXX Assemble partitions | New unit. | New unit. | NU |
| CPCCCA3018 Construct, erect and dismantle formwork for stairs and ramps | CPCCCA3018 A Construct, erect and dismantle formwork for stairs and ramps | Supersedes and is equivalent to CPCCCA3018A Construct, erect and dismantle formwork for stairs and ramps.  Updated to the Standards for Training Packages. | E |
| CPCCCA3XXX Erect and dismantle formwork for footings and slabs on the ground | CPCCCA2003A Erect and Dismantle formwork for footings and slabs on the ground | Supersedes and is not equivalent to CPCCCA2003A Erect & Dismantle formwork for footings and slabs on the ground.  Updated to the Standards for Training Packages. | N |
| CPCCCA3018 Construct, erect and dismantle formwork for stairs and ramps | CPCCCA3018A Construct, erect and dismantle formwork for stairs and ramps | Supersedes and is equivalent to CPCCCA3018A Construct, erect and dismantle formwork for stairs and ramps.  Updated to the Standards for Training Packages. | E |
| CPCCCA3019 Erect and dismantle formwork to suspended slabs, columns, beams and walls | CPCCCA3019A Erect and dismantle formwork to suspended slabs, columns, beams and walls | Supersedes and is equivalent to CPCCCA3019A Erect and dismantle formwork to suspended slabs, columns, beams and walls.  Updated to the Standards for Training Packages. | E |
| CPCCCA3020 Erect and dismantle jump form formwork | CPCCCA3020A Erect and dismantle jump form formwork | Supersedes and is equivalent to CPCCCA3020A Erect and dismantle jump form formwork.  Updated to the Standards for Training Packages. | E |
| CPCCCO3048 Construct tilt panels on site | CPCCCO3048A Construct tilt panels on site | Supersedes and is equivalent to CPCCCO3048A Construct tilt panels on site.  Updated to the Standards for Training Packages. | E |
| CPCCCA2003Erect & Dismantle formwork for footings and slabs on the ground | CPCCCA2003A Erect & Dismantle formwork for footings and slabs on the ground | Supersedes and is equivalent to CPCCCA2003A Erect & Dismantle formwork for footings and slabs on the ground.  Updated to the Standards for Training Packages. | E |
| CPCCCA3009 Construct advanced roofs | CPCCCA3009B Construct advanced roofs | Supersedes and is equivalent to CPCCCA3009B Construct advanced roofs.  Updated to the Standards for Training Packages. | E |
| CPCCCA3016 Construct, assemble and install timber external stairs | CPCCCA3016A Construct timber external stairs | Supersedes and is equivalent to CPCCCA3016A Construct timber external stairs.  Updated to the Standards for Training Packages. | E |
| CPCCCA3011 Refurbish timber sashes to window frames | CPCCCA3011A Refurbish timber sashes to window frames | Supersedes and is equivalent to CPCCCA3011A Refurbish timber sashes to window frames.  Updated to the Standards for Training Packages. | E |
| CPCCCA3022 Install curtain walling | CPCCCA3022A Install curtain walling | Supersedes and is equivalent to CPCCCA3022A | E |
| CPCCCA3XXX Set up, operate and maintain explosive power tools | New unit. | New unit. | NU |

# Consultation Plan

The key engagement methods will be as follows:

* a Technical Advisory Group (TAG) has been established in accordance with internal policy and procedures to guide the subject matter expertise components of the work
* direct correspondence with regulators
* direct correspondence with State Training Authorities
* direct correspondence with IRC and key stakeholders
* RTOs will be engaged through online survey and trainer networks
* newsletter survey distribution to approx. 4000 stakeholders, including all RTOs, regulators, industry associations
* distribution of survey through TAG networks and Artibus digital channels

# Consultation Progress

The key engagement methods undertaken to date are:

* Numerous Technical Advisory Group Meetings
* National Forum
* 1 industry survey

# Project Timeline

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| Stage 1 | Project commencement | July – September 2017 |
| Stage 2 | Round 1 of industry consultation and training package development | May – August 2018 |
|  | Round 2 of industry consultation and training package development | September 2018 – October 2018 |
| Stage 3 | Validation consultation | December 2018 - January 2019 |
| Stage 4 | Quality assurance phase | February – March 2019 |
| Stage 5 | STA endorsement | April 2019 |
|  | Case for Endorsement submitted to Department of Education and Training | May 2019 |