

## Review of CPC30318 Certificate III in Concreting

### Summary of major changes to concreting units of competency

- All units have been recoded in line with Training Package Products Policy – the alpha characters identifying the sector have been changed from “CPCCCO” to “CPCCON” - numeric characters remain unchanged
- All units have been edited and modified to better articulate delivery and assessment requirements, make foundation skills more explicit, remove duplication and ensure consistency with the latest Artibus template and other CPC Training Package units of competency.

Units of Competency	Specific changes	Rationale
CPCCOM1016 Identify requirements for safe precast and tilt-up work	Title and content updated to include ‘precast’ work. Deleted references to the <i>National Code of Practice for Precast, Tilt-up and Concrete Elements in Building Construction</i> .	Update in line with Safe Work Australia guidance. National Code of Practice has been superseded.
CPCCON2021 Handle concreting materials and components	Minor change to title as unit covers materials and components.	Update better reflects unit outcome.
CPCCON2022 Select, use and maintain concreting plant, tools and equipment	Minor change to title as unit covers using plant, tools and equipment.	Update better reflects unit outcome.
CPCCON3035 Determine concrete supply requirements	Title and coverage modified to ensure skills and knowledge are appropriate for concreters working at the Certificate III level. Performance evidence has been simplified.	Responds to employer demand for workers with the skills and knowledge required to determine concrete supply requirements.
CPCCON3036 Plan concrete work and brief team	Performance evidence modified to accommodate evidence in a precast environment.	Responds to the need to support flexibility for workers in the precast environment.
CPCCON3041 Place concrete	Performance evidence modified to support national application and to accommodate evidence in a precast environment. It includes a requirement to place concrete at one site with a fall of at least 25mm over 1 metre in distance. Several new knowledge points to improve technical content, eg. <i>‘purpose and importance of slump testing and the impact to concrete strength and durability of adding water on site’</i>	Update better reflects current practices and articulates required technical skills and knowledge Responds to the need to support flexibility for workers in the precast environment. Responds to employer feedback that placing concrete with a fall is an essential skill for all concreters, eg 25mm over 1 metres is a minimum requirement in the relevant Australian Standard for water runoff.
CPCCON3042 Finish concrete	Performance evidence modified to support national application, specify key finishing techniques and to accommodate evidence in a precast environment. Several new knowledge points to improve technical content.	Update better reflects current practices and articulates required technical skills and knowledge Responds to the need to support flexibility for workers in the precast environment.
CPCCON3043 Cure concrete	Performance evidence modified to support national application, specify key curing techniques and to accommodate evidence in a precast environment. Several new knowledge points to improve technical content eg. <i>‘compatibilities of curing compounds with different floor finishes including vinyl, timber and natural stone products’</i> .	Update better reflects current practices and articulates required technical skills and knowledge Responds to the need to support flexibility for workers in the precast environment.
CPCCON3044 Apply decorative finishes to concrete	Unit has been restructured (elements and performance criteria) into the standard format for units of competency. Changes incorporate latest industry practices and provide workplace flexibility in the selection of decorative technique(s) for	Update better reflects current practices and support workplace flexibility, eg. there are enterprises in industry that focus solely on exposed aggregate and

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	assessment. Techniques include exposed aggregate and polished concrete.	polished concrete. Techniques such as pattern paving/stamping are less popular.
CPCCON3046 Repair and rectify concrete	Unit has been modified to clarify ambiguity in the processes for repairing and rectifying concrete and to ensure quality and safety. Performance evidence has been changed to specify the types of defects that must be repaired and rectified. Application specifies the unit does not cover structural defects requiring underpinning concrete or specialist works involving highly engineered solutions.	Responds to feedback that types of defects and associated with concrete repair and rectification needs to be better articulated to ensure quality and safety – some major repairs should not be attempted (eg underpinning concrete) and others must be carried out to engineer specifications.
CPCCON3047 Cut concrete	Unit has been redeveloped and retitled to remove skills and knowledge associated with coring concrete. Changes include more technical content associated with cutting concrete processes, techniques and tools.	Responds to feedback that concrete coring is a specialist activity requiring specialist equipment. Most concreters only require skills and knowledge associated with cutting concrete. Coring function is now covered in a new unit <i>CPCCON3057 Core concrete</i> .
CPCCON3048 Construct tilt panels on site	Performance evidence modified to accommodate evidence in a precast environment. New knowledge points to improve technical content.	Update better articulates required technical skills and knowledge Responds to the need to support flexibility for workers in the precast environment.
CPCCON3049 Apply and finish sprayed concrete	Unit outcome modified to specify that the unit does not cover the application of sprayed concrete to shape and finish swimming pool and spa shells.	Update delineates sprayed concrete finishes in the concreting sector and swimming pool and spa sector in CPC Training Package. Function is covered by <i>CPCSPS4006 Apply and finish sprayed concrete for swimming pool and spa shells</i> .
CPCCON3050 Carry out high performance concreting	Performance evidence modified to clarify 'high performance', ie. ' <i>... placing, finishing and curing five different surfaces using high early strength concrete with chemical additives, each surface measuring at least 10 square metres</i> '. Knowledge has been updated to improve technical content.	Update better articulates required technical skills and knowledge.
CPCCON3051 Conduct off-form vertical concrete operations	Minor updates to clarify requirements and make technical skills and knowledge more explicit.	Update better articulates required technical skills and knowledge.
CPCCON3053 Slump test concrete	Minor updates to clarify requirements and make technical skills and knowledge more explicit.	Update better articulates required technical skills and knowledge.
CPCCON3054 Operate concrete agitator trucks	Minor updates to clarify requirements and make technical skills and knowledge more explicit.	Update better articulates required technical skills and knowledge.
CPCCON3055 Install topping slabs	Minor updates to clarify requirements and make technical skills and knowledge more explicit.	Update better articulates required technical skills and knowledge.
CPCCON3056 Conduct concrete pump delivery operations	New unit focusing on pump delivery operations.	Responds to feedback that a unit needs to cover the work performed by the line hand/hose hand who does not perform high risk work associated with the boom. <u>Note:</u> high risks functions are covered by the unit <i>CPCCO3052 Conduct concrete boom delivery operations</i> .
CPCCON3057 Core concrete	New unit focusing on skills and knowledge required to core concrete.	Responds to feedback that coring concrete is a specialist function, separate from the unit <i>CPCCON3047 Cut concrete</i> .