

Civil Construction Project Training Product Modifications

The below table summarises amendments to draft Civil Construction training products in the RII Training Package on scope for PwC's Skills for Australia's Civil Construction project.

The full list of training products on scope for the Civil Construction project please see the 'Summary of draft training product changes' document available in the zip file.

Table 1 Draft amendments to RII Civil Construction draft training products

Training product	Amendments
Units of competency (common amendments)	<ul style="list-style-type: none"> Application amended to include additional information relevant to workplace and occupational outcomes Amended unit language to be clearer and compliant within training package product policy Added performance benchmarks to Performance Criteria where applicable Added Foundation Skills Amended Performance Evidence introduction statement to clarify training outcomes Restructured Performance Evidence to clarify training outcomes Amended Knowledge Evidence introduction statement to clarify training outcomes Restructured Knowledge Evidence to clarify training outcomes and added relevant Knowledge Evidence requirements not previously included Amended Assessment Conditions for consistency with updated standards across the RII Training Package Specified equipment required in assessment
RII20715 Certificate II in Civil Construction	<ul style="list-style-type: none"> Updated to <i>RII20720 Certificate II in Civil Construction</i> Removed the following elective units: <ul style="list-style-type: none"> <i>CPCCLDG3001A Licence to perform dogging</i> <i>CPCCLRG3001A Licence to perform rigging basic level</i> <i>RIICFW306D Direct pile driving operations</i> <i>RIICFW307D Direct cast in-situ-piling operations</i> <i>TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more)</i> Added the following elective units: <ul style="list-style-type: none"> <i>RIIWH206 Control traffic with portable traffic control devices and temporary traffic</i> <i>RIICBS203E Safely handle bituminous materials</i> <i>RIICBS207E Take samples of road surfacing materials.</i> Replaced elective unit <i>FWPFGM32 12 Fall trees manually (intermediate)</i> with <i>FWPCOT2236 Fall trees manually (basic)</i>
RII30815 Certificate III in Civil Construction Plant Operations	Draft qualification <i>RII30820 Certificate III in Civil Construction Plant Operations</i> to be released for public review on 4 May 2020.
RII30919 Certificate III in Civil Construction	Draft qualification <i>RII30920 Certificate III in Civil Construction</i> to be released for public review on 4 May 2020.
RII30815 Certificate III in Civil Construction Plant Operations	<ul style="list-style-type: none"> Updated to <i>RII30820 Certificate III in Civil Construction Plant Operations</i>. Added core unit <i>RIIRIS301D Apply risk management processes</i>. Moved the following units from Group B electives to Group A electives: <ul style="list-style-type: none"> <i>RIIMPO337E Conduct articulated haul truck operations</i> <i>RIIMPO338E Conduct rigid haul truck operations.</i>

Training product	Amendments
RII30919 Certificate III in Civil Construction	<ul style="list-style-type: none"> Updated to <i>RII30920 Certificate III in Civil Construction</i>. Added core unit <i>RIIRIS301D Apply risk management processes</i>.
Stream 1: Bituminous Surfacing	<ul style="list-style-type: none"> Reduced packaging rule requirement to select up to five (5) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course” to up to four (4) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course”.
Stream 2: Bridge Construction and Maintenance	<ul style="list-style-type: none"> Moved unit <i>RIIWH203E Implement traffic management plans</i> from Group D to Group F. Moved unit <i>RIIWH204D Work safely at heights</i> from Group F to Group D. Reduced packaging rule requirement to select up to five (5) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course” to up to four (4) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course”.
Stream 3: Pipe Laying	<ul style="list-style-type: none"> Added unit <i>PMBWELD302B Electrofusion weld polyethylene pipelines</i> to qualification in Group I electives. Removed the following electives units from the qualification: <ul style="list-style-type: none"> <i>CPCCLSF2001A Licence to erect, alter and dismantle scaffolding – basic level</i> <i>CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry</i> <i>TLILIC0003 Licence to operate a forklift truck</i>. Reduced packaging rule requirement to select up to four (4) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course” to up to three (3) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course”.
Stream 4: Road Construction and Maintenance	<ul style="list-style-type: none"> Removed unit of competency <i>CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry</i>. Reduced packaging rule requirement to select up to five (5) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course” to up to four (4) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course”.
Stream 5: Road Marking	<ul style="list-style-type: none"> Move unit of competency <i>RIIWH302E Implement traffic management plans</i> from Group M to Group O electives. Move unit of competency <i>RIIIMG301D Maintain site records</i> from Group O to Group M electives. Reduced packaging rule requirement to select up to five (4) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course” to up to three (3) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course”.
Stream 6: Tunnel Construction	<ul style="list-style-type: none"> Added newly developed units of competency <i>RIICTC206 Conduct tunnel boring machine operations</i>. Moved unit <i>RIIWH302E Implement traffic management plans</i> from Group Q to Group R. Reduced packaging rule specification to select 8 units from Group P to at least 5 units from Group P. Increased packaging rule specification to select at least 3 units from Group Q to at least 6 units from Group Q.

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Stream 7: Timber Bridge Construction and Maintenance	<ul style="list-style-type: none"> Reduced packaging rule requirement to select up to five (5) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course” to up to four (4) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course”. Moved unit <i>RIIWH202D Enter and work in confined spaces</i> from Group S to Group U. Moved unit <i>RIIWH204D Work safely at heights</i> from Group U to Group S. Reduced packaging rule requirement to select up to five (5) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course” to up to four (4) units from “the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course”.
Stream 9: Traffic Management	<ul style="list-style-type: none"> Added the following elective units to Group X: <ul style="list-style-type: none"> <i>RIIGOV401D Apply, monitor and report on compliance systems</i> <i>RIIBEF402D Supervise on-site operations</i> <i>RIIRIS402E Carry out risk management.</i> Increased the packaging rule requirement to select 16 elective units to 17 units, and the requirement to select a total of 23 units to 25 units. Increased the packaging rule requirement to select “at least 2 from Group W” to “at least 4 from Group W”.
Stream 10: General	<ul style="list-style-type: none"> Added the following elective units: <ul style="list-style-type: none"> new unit <i>RIICFW308 Conduct screw piling operations</i> <i>RIICTB201D Maintain timber bridges</i> <i>RIICTB202D Apply bridge durability treatment</i> <i>RIICTB203D Produce drawings and sketches</i> <i>RIICTB301D Undertake visual inspection</i> <i>RIICTB302D Install temporary support members</i> <i>RIICTB303D Erect a temporary modular support system (bailey) on an existing bridge</i> <i>RIICTB304D Install or replace sub-structure members</i> <i>RIICTB305D Install or replace super-structure members</i> <i>RIICTB306D Splice and connect timber members</i> <i>RIICTB307D Assemble a temporary modular bridge</i> <i>RIICTB308D Install or replace truss members</i> <i>RIICTB309D Construct, maintain and remove coffer dams</i> <i>RIICTB310D Construct specialized timber deck systems</i> <i>RIIBEF301D Run on-site operations</i> <i>RIICWD503E Prepare traffic management plans and traffic guidance schemes</i> <i>RIIRIS402D Carry out the risk management process</i> <i>RIIRTM301D Operate a truck or trailer mounted attenuator</i> <i>RIIRTM201D Position and set up a variable message sign</i> <i>RIIRTM202D Position and set up portable traffic signals</i> <i>RIIWH206 Control traffic with portable traffic control devices and temporary traffic signs</i> <i>RIIWH305 Position, set up and program portable traffic control devices.</i> Elective units rearranged into groupings of technical disciplines: <ul style="list-style-type: none"> Group Y1: Bitumen (asphalt) units Group Y2: Bitumen (spray sealing) units Group Y3: Concrete bridge units Group Y4: Foundations units

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	<ul style="list-style-type: none"> – Group Y5: Pipe laying units – Group Y6: Road marking units – Group Y7: Timber bridge units – Group Y8: Trenchless technology units – Group Y9: Tunnelling units – Group Y10: Traffic Management units – Group Z: Blasting and common units. <ul style="list-style-type: none"> • Amended the packaging rule requirement to select 18 elective units, to 17 elective units including at least 5 units with numerical codes starting with 3. • Amended the packaging rule requirement to select at least 10 units from Group Y to at least 4 units from one of elective groups YA-YJ. • Increased the packaging rule requirement to select at least 3 units from Group Z to at least 10 units from Group Z.
RII31215 Certificate III in Civil Foundations	Qualification proposed for deletion.
RII40615 Certificate IV in Civil Construction Operations	<ul style="list-style-type: none"> • Qualification merged with <i>RII40715 Certificate IV in Civil Construction Supervision</i> into updated qualification <i>RII40720 Certificate IV in Civil Construction</i> • Packaging rules amended to include two streams of specialisation: <ul style="list-style-type: none"> – Supervision – Operations
RII40715 Certificate IV in Civil Construction Supervision	<ul style="list-style-type: none"> • Qualification merged with <i>RII40615 Certificate IV in Civil Construction Operations</i> into updated qualification <i>RII40720 Certificate IV in Civil Construction</i> • Packaging rules amended to include two streams of specialisation: <ul style="list-style-type: none"> – Supervision – Operations
RII40815 Certificate IV in Civil Construction Design	<ul style="list-style-type: none"> • Updated to <i>RII40820 Certificate IV in Civil Construction Design</i> • Added the following elective unit into Group B: <ul style="list-style-type: none"> – <i>MEM3002A Produce basic engineering drawings</i> • Added the following elective unit into Group D: <ul style="list-style-type: none"> – <i>MEM23004A Apply technical mathematics</i> – <i>MEM23007A Apply calculus to engineering tasks</i> – <i>MEM30012A Apply mathematical techniques in a manufacturing engineering or related environment</i> – <i>MEM30005A Calculate force systems within simple beam structures</i> – <i>MEM30006A Calculate stresses in simple structures</i> – <i>MSL954004 Obtain representative samples in accordance with sampling plan</i> – <i>MSL973021 Conduct field-based acceptance tests for construction materials</i> – <i>MSL974026 Perform tests to determine the properties of construction materials</i> – <i>MSL973022 Conduct laboratory-based acceptance tests for construction materials</i>
RII50415 Diploma of Civil Construction Management	<ul style="list-style-type: none"> • Added the following elective units into Group B as prerequisites for existing units: <ul style="list-style-type: none"> – <i>MSL924003 Process and interpret data</i> – <i>MSL954004 Obtain representative samples in accordance with sampling plan</i> – <i>MSL973021 Conduct field-based acceptance tests for construction materials</i> – <i>MSL974026 Perform tests to determine the properties of construction materials</i> – <i>MSL973022 Conduct laboratory-based acceptance tests for construction materials</i>. • Removed the following deleted unit from the qualification:

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	<ul style="list-style-type: none"> – <i>RIIBHD501D Manage blast hole drilling operations.</i>
RII50515 Diploma of Civil Construction Design	<ul style="list-style-type: none"> • Updated to RII50520 Diploma of Civil Construction Design • Reduced the packaging rule requirement to select four (4) units from Group A electives, to two (2) units from Group A. • Added the following elective unit into Group B: <ul style="list-style-type: none"> – <i>MEM3002A Produce basic engineering drawings</i> • Added the following elective unit into Group D: <ul style="list-style-type: none"> – <i>MEM23004A Apply technical mathematics</i> – <i>MEM23007A Apply calculus to engineering tasks</i> – <i>MEM30012A Apply mathematical techniques in a manufacturing engineering or related environment</i> – <i>MEM30005A Calculate force systems within simple beam structures</i> – <i>MEM30006A Calculate stresses in simple structures</i> – <i>MSL924003 Process and interpret data</i> – <i>MSL954004 Obtain representative samples in accordance with sampling plan</i> – <i>MSL973021 Conduct field-based acceptance tests for construction materials</i> – <i>MSL973022 Conduct laboratory-based acceptance tests for construction materials</i> – <i>MSL974026 Perform tests to determine the properties of construction materials</i>
RII60515 Advanced Diploma of Civil Construction Design	<ul style="list-style-type: none"> • No recommendations received from stakeholders to amend RII60515 Advanced Diploma of Civil Construction Design. PwC's Skills for Australia recommends making minor updates to qualification and releasing for public review to provide industry with more time to suggest amendments. If no suggested amendments are received during the public review period, PwC's Skills for Australia recommends removing qualification from the Civil Construction project scope.
RII60615 Advanced Diploma of Civil Construction	<ul style="list-style-type: none"> • No recommendations received from stakeholders to amend RII60615 Advanced Diploma of Civil Construction. PwC's Skills for Australia recommends making minor updates to qualification and releasing for public review to provide industry with more time to suggest amendments. If no suggested amendments are received during the public review period, PwC's Skills for Australia recommends removing qualification from the Civil Construction project scope.