RII21222 Certificate II in Autonomous Workplace Operations

Release 1

RII21222 Certificate II in Autonomous Workplace Operations

Modification History

| Release 1 | This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. |
| | Newly created qualification. |

Qualification Description

This qualification reflects the roles of individuals, including autonomous haulage operators and mobile and fixed plant operators, working in autonomous workplace operations. They perform a prescribed range of tasks involving known routines and procedures using fundamental operational knowledge.

Licensing, legislative or certification requirements

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

Nil.

Packaging Rules

Total number of units = 10

4 core units, plus

6 elective units, of which:

- at least 1 must be from Group A
- up to 5 may be from Group B, or
- up to 5 may be from elsewhere in this or any currently endorsed training package or accredited course with no more than 2 units chosen from a Certificate III or higher qualification

Where units selected from other Training Packages or accredited courses have prerequisites, the requirements of the host Training Package must be met.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid industry-supported vocational outcome.

Core units

RIIARO201 Work in autonomous operations

RIIARO202 Use data and technology to complete work in autonomous operations

RIICOM202 Contribute to effectiveness of communication and teamwork in an autonomous workplace

RIIWHS208 Operate within an autonomous workplace functional safety system

Elective units

Group A

MEM13015 Work safely and effectively in manufacturing and engineering

MSMWHS200 Work safely

RIIWHS201E Work safely and follow WHS policies and procedures

Group B

AURAFA001 Use numbers in an automotive workplace

AURETK001 Identify, select and use low voltage electrical test equipment

AURETR116 Read and apply vehicle wiring schematics and drawings

ICTICT214 Operate application software packages

ICTICT221 Identify and use specific industry standard technologies

MEM07024 Operate and monitor machine and process

MEM07028 Operate computer controlled machines and processes*

MEM09002 Interpret technical drawing*

MEM11011 Undertake manual handling

MEM12023 Perform engineering measurements*

MEM12024 Perform computations*

MEM16006 Organise and communicate information

MEM16008 Interact with computing technology*

MEM18001 Use hand tools*

MEM18002 Use power tools/hand held operations*

MEM30027A Prepare basic programs for programmable logic controllers

MEMPE007A Pull apart and reassemble engineering mechanisms

MSMENV272 Participate in environmentally sustainable work practices

MSMOPS101 Make measurements

MSMOPS212 Use organisation computers or data systems

MSMSUP100 Apply workplace context to own job

PMAOPS101 Read dials and indicators

PMAOPS280 Interpret process plant schematics

RIIARO308 Use data in an autonomous workplace

RIICCM203E Read and interpret plans and job specifications

RIICCM208E Carry out basic levelling

RIIENV201E Identify and assess environmental and heritage concerns

RIIHAN201E Operate a forklift

RIIMPG301D Control and monitor automated plant/machinery

RIIMPO205E Operate roller/compactor

RIIMPO206D Conduct bulk water truck operations

RIIMPO321F Conduct civil construction wheeled front end loader operations

RIIMPO338E Conduct rigid haul truck operations

RIINHB201E Load, secure and unload drilling equipment and materials

RIINHB202E Set up and pack up drill sites

RIINHB203E Support drilling processes

RIIPRO203D Operate programmable logic control systems

RIIPRO205D Conduct blending plant operations

RIIRIS201E Conduct local risk control

RIISAM202E Isolate and access plant

RIISAM208E Perform plant operational maintenance

RIISTD201E Read and interpret maps

TLIB2001 Check and assess operational capabilities of equipment

*Note the following prerequisite unit requirements.

Unit in this qualification	Prerequisite Units
MEM07028 Operate computer controlled machines and processes	• MEM07024 Operate and monitor machine and process • MEM11011 Undertake manual handling • MEM13015 Work safely and effectively in manufacturing and engineering • MEM16006 Organise and communicate information
MEM09002 Interpret technical drawing	• MEM12023 Perform engineering measurements • MEM12024 Perform computations • MEM13015 Work safely and effectively in manufacturing and engineering • MEM16006 Organise and communicate information
MEM12023 Perform engineering measurements	• MEM13015 Work safely and effectively in manufacturing and engineering • MEM16006 Organise and communicate information
MEM12024 Perform computations	• MEM13015 Work safely and effectively in manufacturing and engineering • MEM16006 Organise and communicate

PwC's Skills for Australia

Unit in this qualification	Prerequisite Units
	information
MEM16008 Interact with computing technology	• MEM13015 Work safely and effectively in manufacturing and engineering • MEM16006 Organise and communicate information
MEM18001 Use hand tools	• MEM11011 Undertake manual handling • MEM13015 Work safely and effectively in manufacturing and engineering • MEM16006 Organise and communicate information
MEM18002 Use power tools/hand held operations	• MEM11011 Undertake manual handling • MEM13015 Work safely and effectively in manufacturing and engineering • MEM16006 Organise and communicate information

Qualification Mapping Information

No equivalent qualification. Newly created qualification.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272