



**Australian Government**

# **MSM21115 Certificate II in Recreational Vehicle Manufacturing**

**Release 5**

# MSM21115 Certificate II in Recreational Vehicle Manufacturing

## Modification History

Release 5. Two low use units removed from elective bank as determined at December 2020 AISC meeting in response to Skills Ministers' objectives. Equivalent.

Release 4. Imported units updated to current versions. Equivalent.

Release 3. Imported units updated to current versions. Equivalent.

Release 2. Imported units updated to current version. Equivalent.

Release 1. Supersedes and is equivalent to MSA20610 Certificate II in Recreational Vehicle Manufacture.

## Qualification Description

The MSM21115 Certificate II in Recreational Vehicle Manufacturing has been developed as an entry-level qualification. People with this qualification would be expected to work under supervision manufacturing recreational vehicles, including:

- motor homes
- caravans
- camper trailers
- slide-ons
- fifth wheelers

to meet Australian requirements, such as road worthiness and the Australian Design Rule (ADR).

They may work in a large manufacturing organisation or a small workshop.

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements depending on the work context. Local regulations should be checked for details.

## Entry Requirements

There are no entry requirements for this qualification.

## Packaging Rules

To be awarded the MSM21115 Certificate II in Recreational Vehicle Manufacturing, competency must be achieved in **fourteen (14)** units of competency:

- **three (3)** core units of competency
- **eleven (11)** elective units of competency, as specified below:
  - a minimum of **seven (7)** units of competency must be selected from Group A
  - the balance of units, to a maximum of **four (4)** may be selected from:
    - units not previously selected from Group A

- Group B units listed below.

**Note:** Up to **four (4)** elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified in Groups A and B.

**Note:** Where prerequisite units are identified they must be counted in the total number of units required for achievement of the qualification.

### Core units

Complete all three (3) units from the following list.

| Unit code   | Unit title   |               |
|---|--|---------------|
| MSMENV272   | Participate in environmentally sustainable work practices                      |               |
| MSMSUP102   | Communicate in the workplace   |               |
| MSMWHS200   | Work safely  |               |
| <b>ELECTIVE UNITS</b>   |  |               |
| <b>Group A Electives</b>  |  |               |
| Select a minimum of <b>seven (7)</b> units from the following list. |  |               |
| Unit code   | Unit title   | Prerequisites |
| AUMGTT001   | Apply trim to vehicle components   |               |
| AURVTT015   | Fabricate and install canvas products for automotive and marine components     |               |
| AURVTT019   | Fabricate and install automotive and marine frames, canopies and side curtains |               |
| CPCPCM2043A   | Carry out WHS requirements   |               |
| CPCPGS3046A   | Install LPG systems in caravans, mobile homes and mobile workplaces            | CPCPCM2043A   |

|           |   |                                     |
|-----------|---|-------------------------------------|
| MEM03001B | Perform manual production assembly                                    |                                     |
| MEM05005B | Carry out mechanical cutting  | MEM12023A<br>MEM18001C              |
| MEM07024B | Operate and monitor machine/process                                   |                                     |
| MEM07028B | Operate computer controlled machines/<br>processes                    | MEM07024B                           |
| MEM09002B | Interpret technical drawing   |                                     |
| MEM10002B | Terminate and connect electrical wiring                               | MEM09002B<br>MEM12002B<br>MEM18001C |
| MEM12002B | Perform electrical/electronic measurement                             |                                     |
| MEM12023A | Perform engineering measurements                                      |                                     |
| MSMOPS101 | Make measurements   |                                     |
| MSMRV310  | Fit recreational vehicle floor  |                                     |
| MSMRV311  | Fit furniture in a recreational vehicle                               |                                     |
| MSMRV312  | Fit water systems in a recreational vehicle                           |                                     |
| MSMRV313  | Fit 12 V cable systems in a recreational vehicle                      |                                     |
| MSMRV314  | Construct and fit roof to a recreational vehicle                      |                                     |
| MSMRV315  | Construct and fit slide out in a recreational vehicle                 |                                     |
| MSMRV318  | Fit cladding to a recreational vehicle                                |                                     |
| MSMRV319  | Fit front and rear moulds to a recreational vehicle                   |                                     |
| MSMRV320  | Fit windows and doors to a recreational vehicle                       |                                     |
| MSMRV321  | Fit required external items to a recreational vehicle                 |                                     |
| MSMRV322  | Fit required external electrical components to a recreational vehicle |                                     |

| MSMRV323  | Fit required internal items to a recreational vehicle                              |               |
|---|--|---------------|
| MSMRV324  | Conduct final quality inspection for a recreational vehicle                        |               |
| MSMRV325  | Fabricate a chassis and suspension for a recreational vehicle                      |               |
| MSMRV365  | Remove and refit body moulding   |               |
| MSMRV366  | Fit transfers and decals to a recreational vehicle                                 |               |
| <p>Up to <b>two (2)</b> relevant Group A elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate III qualification.</p> <p><b>Group B Elective units</b><br/>Select a maximum of <b>four (4)</b> units from the following list.</p> |  |               |
| Unit code   | Unit title   | Prerequisites |
| MEM11010B   | Operate mobile load shifting equipment   |               |
| MEM14004A   | Plan to undertake a routine task   |               |
| MEM15024A   | Apply quality procedures   |               |
| MEM18001C   | Use hand tools   |               |
| MEM18002B   | Use power tools/hand held operations   |               |
| MSMOPS102   | Perform tasks to support production  |               |
| MSMOPS200   | Operate equipment  |               |
| MSMOPS212   | Use organisation computers or data systems   |               |
| MSMPER200   | Work in accordance with an issued permit   |               |
| MSMRVT201   | Apply technical knowledge of recreational vehicle manufacturing to work activities |               |

|  |                                       |  |
|--|---------------------------------------|--|
| MSMSUP100  | Apply workplace context to own job    |  |
| MSMSUP101  | Clean workplace or equipment          |  |
| MSMSUP106  | Work in a team                        |  |
| MSMSUP240  | Undertake minor maintenance           |  |
| MSMSUP273  | Handle goods                          |  |
| MSMSUP280  | Manage conflict at work               |  |
| MSMSUP291  | Participate in continuous improvement |  |
| MSMWHS110  | Follow emergency response procedures  |  |
| MSMWHS205  | Control minor incidents               |  |
| MSS402021  | Apply Just in Time (JIT) procedures   |  |
| MSS402040  | Apply 5S procedures                   |  |
| MSS402080  | Undertake root cause analysis         |  |
| PMBHAN103  | Shift materials safely by hand        |  |
| TLID2010   | Operate a forklift                    |  |
| <p>Up to <b>two (2)</b> relevant Group B elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate II or III qualification</p> |                                       |  |

## Qualification Mapping Information

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## **Links**

Companion Volume Implementation Guides are available at VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>